

Subject	Year	Term
Science	8	1
Topic		
8P1 Electricity and Magnetism		
Content (Intent)		
Prior Learning (Topic) Electricity (year 6)		
<ul style="list-style-type: none"> • associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit • compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches • use recognised symbols when representing a simple circuit in a diagram 		
Future Learning (Topic) P2a – Electricity, 11P2 Electricity and Magnetism		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Practical work: building series and parallel circuits. Measuring current Using magnets including electromagnets</p> <p>Written work: making diagrams of circuits. Interpreting and analysing circuits including electromagnets.</p>	<p>- 2 x standard homeworks (Level given. Written feedback. Response expected.) -1 x end of topic test (Level given. Verbal feedback to class and individuals.)</p>	
How can parents help at home?		
<p>Look at the topic specific resources on the VLE Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons. Take an interest! Ask your children what they have learnt and be curious about their learning.</p>		
Helpful further reading/discussion		
<p>Reading Magnetic Electricity! The Power of Magnets and Their Role in Electricity - Science for Kids - Children's Energy Books Paperback – 6 July 2016</p>	<p>Vocabulary Lists SERIES PARALLEL CIRCUIT CHARGE NORTH POLE SOUTH POLE</p>	<p>Careers Links Physicist Engineer Environmental engineering Energy companies</p>