

Subject	Year	Term
Science	9	2
Topic		
P2a Electricity		
Content (Intent)		
Prior Learning (Topic) 8P1 Electricity and Magnetism		
<ul style="list-style-type: none"> • Making series and parallel circuits • Measuring current with an ammeter • Making and interpreting circuit diagrams 		
Future Learning (Topic) 11P2 Electricity		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Theory: $Q=It$, $W=QV$, $V=IR$</p> <p>Practical: a series of practicals which will allow students to measure I, V and R, and hence validate these relationships</p> <p>Analogy: a service of analogies which will help students to picture the concepts of Current, potential difference and Resistance.</p>	<p>- 2 x standard homeworks (Level given. Written feedback. Response expected.)</p> <p>-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</p> <p>Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons.</p> <p>Take an interest! Ask your children what they have learnt and be curious about their learning.</p>		
Helpful further reading/discussion		
<p>Reading</p> <p>Physics for You by Keith Johnson 1 Jun 2016</p>	<p>Vocabulary Lists</p> <p>Current, Amps Potential difference, Volts Resistance, Ohms Series, Parallel</p>	<p>Careers Links</p> <p>Physicist Engineer Environmental engineering Energy companies</p>