

## Science

## Year 10 Autumn 2

Week	Date	Unit and Learning Objective	Resources	Assessment
1	01/11/2021	C1 Chemical changes Lesson 19: Electrolysis and half equations (HT)	<p>Link to all teaching resources (named as left):  <a href="https://egguckland.sharepoint.com/:f:/g/Science/Et6LdDjsP_pOjvwmQk5jpaAB1bluJhgpS4czVqQDP5YTzA?e=OpydMn">https://egguckland.sharepoint.com/:f:/g/Science/Et6LdDjsP_pOjvwmQk5jpaAB1bluJhgpS4czVqQDP5YTzA?e=OpydMn</a></p>	<p>Extra activities to complete:            Use Educake (ask your teacher if you need your login details)            Revision videos:  <a href="https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw">https://www.youtube.com/channel/UCqbOeHaAUXw9II7sBVG3_bw</a>            Extra exam questions:  <a href="https://egguckland.sharepoint.com/:f:/g/Science/EkuxsILU02NPg41TSBEsTdUBDUknE-6mWgN7nqLYPnv0WA?e=PtYfgO">https://egguckland.sharepoint.com/:f:/g/Science/EkuxsILU02NPg41TSBEsTdUBDUknE-6mWgN7nqLYPnv0WA?e=PtYfgO</a>            Past Papers (and markschemes):  <a href="https://egguckland.sharepoint.com/:f:/g/Science/Er6k79VlcjFlirble1YSQ_gB4Ze2GmYApEdBVz1Iyl3TkW?e=ZomAHZ">https://egguckland.sharepoint.com/:f:/g/Science/Er6k79VlcjFlirble1YSQ_gB4Ze2GmYApEdBVz1Iyl3TkW?e=ZomAHZ</a>            BBC Bitesize: <a href="https://www.bbc.co.uk/bitesize/examspecs/z8r997h">https://www.bbc.co.uk/bitesize/examspecs/z8r997h</a></p>
	02/11/2021	C1 Chemical changes Lesson 20: Chemical changes Revision		
	03/11/2021	C1 Chemical changes Lesson 21: Chemical changes Test		
	04/11/2021	C1 Chemical changes Lesson 22: Chemical changes DIRT		
	05/11/2021	C1 Energy changes Lesson 1: Temperature Changes 1		
2	08/11/2021	C1 Energy changes Lesson 2: Temperature Changes 2		
	09/11/2021	C1 Energy changes Lesson 3: Activation Energy		
	10/11/2021	C1 Energy changes Lesson 4: Bond Energy 1		
	11/11/2021	C1 Energy changes Lesson 5: Bond Energy 2		
	12/11/2021	C1 Energy changes Lesson 6: Energy Changes Revision		
3	15/11/2021	C1 Energy changes Lesson 7: Energy Changes Test		
	16/11/2021	C1 Energy changes Lesson 8: Energy Changes DIRT		
	17/11/2021	P1 Electricity Lesson 1: Circuit Symbols		
	18/11/2021	P1 Electricity Lesson 2: Q=It		

	19/11/ 2021	P1 Electricity Lesson 3: Current in a series circuit		
4	22/11/ 2021	P1 Electricity Lesson 4: How resistance affects current		
	23/11/ 2021	P1 Electricity Lesson 5: $V=IR$		
	24/11/ 2021	P1 Electricity Lesson 6: Resistance required practical Part 1		
	25/11/ 2021	P1 Electricity Lesson 7: Resistance required practical Part 2		
	26/11/ 2021	P1 Electricity Lesson 8: IV characteristics Required Practical		
	5	29/11/ 2021	P1 Electricity Lesson 9: Current and potential difference of electrical components	
30/11/ 2021		P1 Electricity Lesson 10: Series and parallel circuits		
01/12/ 2021		P1 Electricity Lesson 11: Properties of series circuits		
02/12/ 2021		P1 Electricity Lesson 12: Properties of Parallel Circuits		
03/12/ 2021		P1 Electricity Lesson 13: ac dc and mains electricity		
6	06/12/ 2021	P1 Electricity Lesson 14: Wires in a plug		
	07/12/ 2021	P1 Electricity Lesson 15: Power $P=IV$ and $P=I^2R$		

	08/12/ 2021	P1 Electricity Lesson 16: Energy transfers in everyday appliances		
	09/12/ 2021	P1 Electricity Lesson 17: Work Done and Energy Transferred $E = P \times t$ & $E = Q \times V$		
	10/12/ 2021	P1 Electricity Lesson 18: The National Grid		
7	13/12/ 2021	P1 Electricity Lesson 19: Electricity Revision		
	14/12/ 2021	P1 Electricity Lesson 20: Electricity Test		
	15/12/ 2021	P1 Electricity Lesson 21: Electricity DIRT		
	16/12/ 2021	P1 Atomic Structure / Radiation Lesson 1: Structure of the Atom		
	17/12/ 2021	P1 Atomic Structure / Radiation Lesson 2: Alpha Scattering		