

**Scope and Sequence Document for: IGCSE Physics**

Tutor	Eric van der Merwe		
Tutor qualifications:	MPhys (Sussex)	IGCSE/A level Exam board & Specification No:	IGCSE Physics CAIE 0625
Resources required:	IGCSE Physics (2014) 3 <sup>rd</sup> Edition, Tom Duncan & Heather Kennett, ISBN 9781444176421, Hodder Cambridge IGCSE Physics Coursebook, (2014) 2 <sup>nd</sup> Edition, David Sang, ISBN 9781107614581, Cambridge University Press		

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	02/09/19	Measurements (Part 1)
2	2	09/09/19	Measurements (Part 2)
3	3	16/09/19	Speed, velocity and acceleration
4	4	23/09/19	Graphs of equations
5	5	30/09/19	Falling bodies
6	6	07/10/19	Density
7	7	14/10/19	Questions and revision
	8	21/10/19	Half Term
8	9	28/10/19	Weight and stretching
9	10	04/11/19	Adding forces
10	11	11/11/19	Force and acceleration
11	12	18/11/19	Circular motion
12	13	25/11/19	Moments and levers
13	14	02/12/19	Centres of mass
14	15	09/12/19	Momentum
	16	16/12/19	Christmas Holiday
	17	23/12/19	Christmas Holiday
	18	30/12/19	Christmas Holiday

15	19	06/01/20	Questions and revision <b>[Year 10 Project begins]</b>
16	20	13/01/20	Energy transfer
17	21	20/01/20	Kinetic and potential energy
18	22	27/01/20	Energy sources
19	23	03/02/20	Pressure and liquid pressure
	24	10/02/20	Half Term
20	25	17/02/20	Questions and revision
21	26	24/02/20	Molecules
22	27	02/03/20	The gas laws
23	28	09/03/20	Expansion of solids, liquids and gases
24	29	16/03/20	Thermometers
25	30	23/03/20	Chapter 21 Specific heat capacity <b>[Year 10 Project Ends]</b>
26	31	30/03/20	Specific latent heat
	32	06/04/20	Easter Holiday
	33	13/04/20	Easter Holiday
	34	20/04/20	Easter Holiday
27	35	27/04/20	Conduction and convection
28	36	04/05/20	Radiation radiation
29	37	11/05/20	Questions and revision
30	38	18/05/20	Exam
	39	25/05/20	Half Term
31	40	01/06/20	Mechanical waves
32	41	08/06/20	Reflection of light
33	42	15/06/20	Plane mirrors
34	43	22/06/20	Refraction of light
NSW Summer holiday period – 1 July – 31 August 2020			
35	1	07/09/20	<b>Heat and Energy</b> Chapter 29 Specific Heat Capacity
36	2	14/09/20	Chapter 30 Specific latent heat
37	3	21/09/20	Chapter 31 Conduction and convection
38	4	28/09/20	Chapter 32 Radiation

39	5	05/10/20	Questions and revision
40	6	12/10/20	<b>Electricity</b> Chapter 33 Static electricity
41	7	19/10/20	Chapter 34 Electric current
	8	26/10/20	Half Term
42	9	02/11/20	Chapter 35 Potential difference
43	10	09/11/20	Chapter 36 Resistance
44	11	16/11/20	Chapter 37 & 38 Electric power
45	12	23/11/20	Chapter 39 Electronic systems
46	13	30/11/20	Chapter 40 Digital Electronics
47	14	07/12/20	Questions and revision
48	15	14/12/20	<b>Electromagnetic effects</b> Chapter 41 Magnetic fields
	16	21/12/20	Christmas Holiday
	17	28/12/20	Christmas Holiday
	18	04/01/21	Christmas Holiday
49	19	11/01/21	Chapter 42 Electromagnets
50	20	18/01/21	Revision
51	21	25/01/21	Mock exam
52	22	01/02/21	Chapter 43 Electric motors
53	23	08/02/21	Chapter 44 Electric meters
	24	15/02/21	Half Term
54	25	22/02/21	Chapter 45 Generators
55	26	01/03/21	Chapter 46 Transformers
56	27	08/03/21	Questions and revision
58	28	15/03/21	<b>Electrons and atoms</b> Chapter 47 Electrons
59	29	22/03/21	Chapter 48 Radioactivity
		29/03/21	Easter Holiday
		05/04/21	Easter Holiday
		12/04/21	Easter Holiday
60		19/04/21	Chapter 49 Atomic structure
61		26/04/21	Questions and revision
		03/05/21	
		10/05/21	
		17/05/21	

		24/05/21	
		31/05/21	Half Term
		07/06/21	
		14/06/21	
		21/06/21	
		28/06/21	