

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 rd Edition, Tom Duncan & Heather Kennett, ISBN 9781444176421, Hodder Cambridge IGCSE Physics Coursebook, (2014) 2 nd Edition, David Sang, ISBN 9781107614581, Cambridge University Press		

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	06/09/21	Measurements (Part 1)
2	2	13/09/21	Measurements (Part 2)
3	3	20/09/21	Speed, velocity and acceleration
4	4	27/09/21	Graphs of equations
5	5	04/10/21	Falling bodies
6	6	11/10/21	Density
7	7	18/10/21	Measurement and motion - revision
	8	25/10/21	Half Term
8	9	01/11/21	Weight and stretching
9	10	08/11/21	Adding forces
10	11	15/11/21	Force and acceleration
11	12	22/11/21	Circular motion
12	13	29/11/21	Moments and levers
13	14	06/12/21	Centres of mass
14	15	13/12/21	Momentum
	16	20/12/21	Christmas Holiday
	17	27/12/21	Christmas Holiday
	18	03/01/22	Christmas Holiday

15	19	10/01/22	Forces and momentum - revision [Year 10 project begins]
16	20	17/01/22	Energy transfer
17	21	24/01/22	Kinetic and potential energy
18	22	31/01/22	Energy sources
19	23	07/02/22	Pressure and liquid pressure
	24	14/02/22	Half Term
20	25	21/02/22	Energy, work, power and pressure - revision
21	26	28/02/22	Molecules
22	27	07/03/22	The gas laws
23	28	14/03/22	Expansion of solids, liquids and gases
24	29	21/03/22	Thermometers
25	30	28/03/22	Specific heat capacity - chapter 21 [Year 10 project ends]
	31	04/04/22	Easter Holiday
	32	11/04/22	Easter Holiday
	33	18/04/22	Easter Holiday
26	34	25/04/22	Specific latent heat
27	35	02/05/22	Conduction and convection
28	36	09/05/22	Heat radiation
29	37	16/05/22	Kinetic model and thermal physics - revision
30	38	23/05/22	Exam
	39	30/05/22	Half Term
31	40	06/06/22	Mechanical waves
32	41	13/06/22	Reflection of light
33	42	20/06/22	Plane mirrors
34	43	27/06/22	Refraction of light
NSW Summer holiday period – 4 July – 5 September 2122			
35	1	05/09/22	Total internal reflection
36	2	12/09/22	Lenses
37	3	19/09/22	Electromagnetic radiation
38	4	26/09/22	Sound waves

39	5	03/10/22	General wave properties, light and sound - revision
40	6	10/10/22	Magnetic fields
41	7	17/10/22	Static electricity
	8	24/10/22	Half Term
42	9	31/10/22	Electric current
43	10	07/11/22	Potential difference
44	11	14/11/22	Resistance
45	12	21/11/22	Electric power
46	13	28/11/22	Electronic systems
47	14	05/12/22	Digital electronics
48	15	12/12/22	Simple magnetism, electrical quantities and circuits - revision
	16	19/12/22	Christmas Holiday
	17	26/12/22	Christmas Holiday
	18	02/01/23	Christmas Holiday
49	19	09/01/23	Generators
50	20	16/01/23	Mock exam revision
51	21	23/01/23	Mock exam
52	22	30/01/23	Transformers
53	23	06/02/23	Electromagnets
54	24	13/02/23	Electric motors
	25	20/02/23	Half Term
55	26	27/02/23	Electric meters
56	27	06/03/23	Electrons
57	28	13/03/23	Electromagnetic effects - revision
58	29	20/03/23	Radioactivity
59	30	27/03/23	Atomic structure
	31	03/04/23	Easter Holiday
	32	10/04/23	Easter Holiday
	33	17/04/23	Easter Holiday
60	34	24/04/23	Atomic physics - revision
61	35	01/05/23	Final exam - revision
	36	08/05/23	
	37	15/05/23	

	38	22/05/23	
	39	29/05/23	Half Term
	40	05/06/23	
	41	12/06/23	
	42	19/06/23	
	43	26/06/23	