

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	07/09/20	Measurements (Part 1)
2	2	14/09/20	Measurements (Part 2)
3	3	21/09/20	Speed, velocity and acceleration
4	4	28/09/20	Graphs of equations
5	5	05/10/20	Falling bodies
6	6	12/10/20	Density
7	7	19/10/20	Measurement and motion - revision
	8	26/10/20	Half Term
8	9	02/11/20	Weight and stretching
9	10	09/11/20	Adding forces
10	11	16/11/20	Force and acceleration
11	12	23/11/20	Circular motion
12	13	30/11/20	Moments and levers
13	14	07/12/20	Centres of mass
14	15	14/12/20	Momentum
	16	21/12/20	Christmas Holiday
	17	28/12/20	Christmas Holiday
	18	04/01/21	Christmas Holiday

15	19	11/01/21	Forces and momentum - revision [Year 10 project begins]
16	20	18/01/21	Energy transfer
17	21	25/01/21	Kinetic and potential energy
18	22	01/02/21	Energy sources
19	23	08/02/21	Pressure and liquid pressure
	24	15/02/21	Half Term
20	25	22/02/21	Energy, work, power and pressure - revision
21	26	01/03/21	Molecules
22	27	08/03/21	The gas laws
23	28	15/03/21	Expansion of solids, liquids and gases
24	29	22/03/21	Thermometers
	30	29/03/21	Easter Holiday
	31	05/04/21	Easter Holiday
	32	12/04/21	Easter Holiday
25	33	19/04/21	Specific heat capacity - chapter 21 [Year 10 project ends]
26	34	26/04/21	Specific latent heat
27	35	03/05/21	Conduction and convection
28	36	10/05/21	Heat radiation
29	37	17/05/21	Kinetic model and thermal physics - revision
30	38	24/05/21	Exam
	39	31/05/21	Half Term
31	40	07/06/21	Mechanical waves
32	41	14/06/21	Reflection of light
33	42	21/06/21	Plane mirrors
34	43	28/06/21	Refraction of light
NSW Summer holiday period – 5 July – 3 September 2021			
35	1	06/09/21	Total internal reflection
36	2	13/09/21	Lenses
37	3	20/09/21	Electromagnetic radiation
38	4	27/09/21	Sound waves

39	5	04/10/21	General wave properties, light and sound - revision
40	6	11/10/21	Magnetic fields
41	7	18/10/21	Static electricity
	8	25/10/21	Half Term
42	9	01/11/21	Electric current
43	10	08/11/21	Potential difference
44	11	15/11/21	Resistance
45	12	22/11/21	Electric power
46	13	29/11/21	Electronic systems
47	14	06/12/21	Digital electronics
48	15	13/12/21	Simple magnetism, electrical quantities and circuits - revision
	16	20/12/21	Christmas Holiday
	17	27/12/21	Christmas Holiday
	18	03/01/22	Christmas Holiday
49	19	10/01/22	Generators
50	20	17/01/22	Mock exam revision
51	21	24/01/22	Mock exam
52	22	31/01/22	Transformers
53	23	07/02/22	Electromagnets
54	24	14/02/22	Electric motors
	25	21/02/22	Half Term
55	26	28/02/22	Electric meters
56	27	07/03/22	Electrons
57	28	14/03/22	Electromagnetic effects - revision
58	29	21/03/22	Radioactivity
59	30	28/03/22	Atomic structure
	31	04/04/22	Easter Holiday
	32	11/04/22	Easter Holiday
	33	18/04/22	Easter Holiday
60	34	25/04/22	Atomic physics - revision
61	35	02/05/22	Final exam - revision
	36	09/05/22	
	37	16/05/22	
	38	23/05/22	

	39	30/05/22	Half Term
	40	06/06/22	
	41	13/06/22	
	42	20/06/22	
	43	27/06/22	