

Scope and Sequence Document for: IGCSE Physics

Tutor	Chris Marvin		
Tutor qualifications:	BSc Physics (London), PGCE (Oxford)	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	05/09/22	Measurements (Part 1)
2	2	12/09/22	Measurements (Part 2)
3	3	19/09/22	Speed, velocity and acceleration
4	4	26/09/22	Graphs of equations
5	5	03/10/22	Falling bodies
6	6	10/10/22	Density
7	7	17/10/22	Measurement and motion - revision
	8	24/10/22	Half Term
8	9	31/10/22	Weight and stretching
9	10	07/11/22	Adding forces
10	11	14/11/22	Force and acceleration
11	12	21/11/22	Circular motion
12	13	28/11/22	Moments and levers
13	14	05/12/22	Centres of mass
14	15	12/12/22	Momentum
	16	19/12/22	Christmas Holiday
	17	26/12/22	Christmas Holiday
	18	02/01/23	Christmas Holiday

15	19	09/01/23	Forces and momentum - revision [Year 10 project begins]
16	20	16/01/23	Energy transfer
17	21	23/01/23	Kinetic and potential energy
18	22	30/01/23	Energy sources
19	23	06/02/23	Pressure and liquid pressure
20	24	13/02/23	Energy, work, power and pressure - revision
	25	20/02/23	Half Term
21	26	27/02/23	Molecules
22	27	06/03/23	The gas laws
23	28	13/03/23	Expansion of solids, liquids and gases
24	29	20/03/23	Thermometers
25	30	27/03/23	Specific heat capacity - chapter 21 [Year 10 project ends]
	31	03/04/23	Easter Holiday
	32	10/04/23	Easter Holiday
	33	17/04/23	Easter Holiday
26	34	24/04/23	Specific latent heat
27	35	01/05/23	Conduction and convection
28	36	08/05/23	Heat radiation
29	37	15/05/23	Kinetic model and thermal physics - revision
30	38	22/05/23	Exam
	39	29/05/23	Half Term
31	40	05/06/23	Mechanical waves
32	41	12/06/23	Reflection of light
33	42	19/06/23	Plane mirrors
34	43	26/06/23	Refraction of light
NSW Summer holiday period – 3 July – 4 September 2023			
35	1	04/09/23	Total internal reflection
36	2	11/09/23	Lenses
37	3	18/09/23	Electromagnetic radiation
38	4	25/09/23	Sound waves

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

	38	20/05/24	
	39	27/05/24	Half Term
	40	03/06/24	
	41	10/06/24	
	42	17/06/24	
	43	24/06/24	