

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	<p>Cambridge IGCSE Physics 4th Edition Heather Kennett and Tom Duncan (ISBN: 9781398310544) – this will be referred to as Textbook A</p> <p>Cambridge IGCSE Physics 3rd Edition by David Sang, Mike Follows and Sheila Tarpey (ISBN:9781108888073) – this will be referred to as Textbook B</p>		

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	04/09/23	Measurements (Part 1)
2	2	11/09/23	Measurements (Part 2)
3	3	18/09/23	Speed, velocity and acceleration
4	4	25/09/23	Graphs of equations
5	5	02/10/23	Falling bodies
6	6	09/10/23	Density
7	7	16/10/23	Measurement and motion - revision
	8	23/10/23	Half Term
8	9	30/10/23	Weight and stretching
9	10	06/11/23	Adding forces and Newton's First Law of Motion
10	11	13/11/23	Force and acceleration and Newton's Second Law of Motion
11	12	20/11/23	Circular motion
12	13	27/11/23	Moments and levers
13	14	04/12/2023	Centre of mass
14	15	11/12/2023	Momentum
	16	18/12/2023	Christmas Holiday
	17	25/12/2023	Christmas Holiday

	18	01/01/2024	Christmas Holiday
15	19	08/01/2024	Forces and momentum - revision
16	20	15/01/2024	Energy transfer
17	21	22/01/2024	Kinetic and potential energy
18	22	29/01/2024	Energy sources
19	23	05/02/2024	Pressure and liquid pressure
20	24	12/02/2024	Energy, work, power and pressure - revision
	25	19/02/2024	Half Term
21	26	26/02/2024	Kinetic Particle Model of Matter
22	27	04/03/2024	Gases, the absolute scale of temperature, melting, boiling and evaporation
23	28	11/03/2024	Thermal Expansion of solids, liquids and gases
24	29	18/03/2024	Specific Heat Capacity
25	30	25/03/2024	Conduction and convection
	31	01/04/2024	Easter Holiday
	32	08/04/2024	Easter Holiday
	33	15/04/2024	Easter Holiday
26	34	22/04/2024	Heat radiation and consequences of thermal transfer
27	35	29/04/2024	Kinetic model and thermal physics - revision
28	36	06/05/2024	Mechanical waves
29	37	13/05/2024	Reflection of light
30	38	20/05/2024	Exam
	39	27/05/2024	Half Term
31	40	03/06/2024	Plane mirrors
32	41	10/06/2024	Refraction of light
33	42	17/06/2024	Total internal reflection
34	43	24/06/2024	Lenses
NSW Summer holiday period – 1 July – 30 August 2024			
35	1	02/09/2024	Electromagnetic radiation 1

36	2	09/09/2024	Electromagnetic radiation 2
37	3	16/09/2024	Sound waves
38	4	23/09/2024	General wave properties, light and sound - revision
39	5	30/09/2024	Magnetic fields
40	6	07/10/2024	Static electricity
41	7	14/10/2024	Electric current
	8	21/10/2024	Half Term
42	9	28/10/2024	Potential difference – will probably swap with resistance
43	10	04/11/2024	Resistance
44	11	11/11/2024	Electric power
45	12	18/11/2024	Electronic systems
46	13	25/11/2024	Simple magnetism, electrical quantities and circuits - revision
47	14	02/12/2024	Generators
48	15	09/12/2024	Transformers
	16	16/12/2024	Christmas Holiday
	17	23/12/2024	Christmas Holiday
	18	30/12/2024	Christmas Holiday
49	19	06/01/2025	Electromagnets
50	20	13/01/2025	Mock exam revision
51	21	20/01/2025	Mock exam
52	22	27/01/2025	Electric motors
53	23	03/02/2025	Electric meters
54	24	10/02/2025	Electrons
	25	17/02/2025	Half Term
55	26	24/02/2025	Electromagnetic effects - revision
56	27	03/03/2025	Radioactivity
57	28	10/03/2025	Atomic structure
58	29	17/03/2025	Atomic physics - revision
59	30	24/03/2025	Space Physics 1
	31	31/03/2025	Easter Holiday

	32	07/04/2025	Easter Holiday
	33	14/04/2025	Easter Holiday
60	34	21/04/2025	Space Physics 2
61	35	28/04/2025	Final exam - revision
	36	05/05/2025	
	37	12/05/2025	
	38	19/05/2025	
	39	26/05/2025	Half Term
	40	02/06/2025	
	41	09/06/2025	
	42	16/06/2025	
	43	23/06/2025	