

**6TH YEAR PHYSICS (H) WITH KIERAN MILLS
ONLINE GRINDS PROGRAMME**

Session	Topic
1	Light & Sound - Waves, Reflection 1 & Reflection 2
2	Light & Sound - Refraction 1 & Refraction 2
3	Light & Sound - Refraction 3 & Refraction 4
4	Light & Sound - Interference of Waves & Diffraction
5	Light & Sound - Polarisation, colours & electromagnetic spectrum & Doppler Effect
6	Light & Sound - Standing Waves, Vibration in pipes, Characteristics of sound & sound intensity
7	Electricity - Electrostatics 1 & Electrostatics 2
8	Electricity - Electrostatics 3 & Electrostatics 4
9	Electricity - Current Electricity 1, 2 & 3
10	Electricity - Current Electricity 4, 5 & 6
11	Electricity - Electromagnetism 1
12	Electricity - Electromagnetism 2 & Electromagnetism 3
13	Modern Physics - Electron 1 & Electron 2
14	Modern Physics - Electron 3 & Electron 4
15	Modern Physics - Nucleus 1 & Nucleus 2
16	Modern Physics - Nucleus 3 & Nucleus 4
17	Modern Physics - Nucleus 5 & Nucleus 6
18	Modern Physics - Nucleus 7 & Nucleus 8
19	Modern Physics - Particle Physics 1 & Particle Physics 2
20	Mechanics - Horizontal Linear Motion, Free-fall & Scalars and Vectors
21	Mechanics - Momentum & Newton's Laws 1, 2 & 3
22	Mechanics - Work, Energy and Power 1 & 2
23	Mechanics - Circular Motion 1 & Circular Motion 2
24	Mechanics - Moments & Boyle's Law
25	Mechanics - Gravity
26	Mechanics - Gravitational Circular Motion & Simple Harmonic Motion
27	Heat - Measuring Temperature & Specific Heat Capacity
28	Heat - Specific Latent Heat & Transmission of Heat
29	Heat - Heat Experiments 1 & Heat Experiments 2