**Year 13 Physics mock revision list.**

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| **Specification reference** | **Topic** | **Revision guide pages** |
| 1.1 (inc. all sub sections) | Practical skills assessed in a written exam | Pages 4-9 |
| 2.1 (inc. all sub sections) | Physical quantities and units | Pages 10, 11 |
| 2.2 (inc. all sub sections) | Making measurements and analysing data | Pages 12, 13 |
| 2.3 (inc. all sub sections) | Nature of quantities | Pages 14, 15 |
| 3.1 Motion | * 3.1.3 Projectile Motion
* Terminal Velocity
 | Pages 19 – 21Pages 34 - 36 |
| 3.2 Forces in action | * 3.2.1 Dynamics
* 3.2.3 Equilibrium
 | Pages 28 - 39 |
| 3.3 Work, energy and power | * 3.3.1 Work and conservation of energy
* 3.3.2 Kinetic and potential energies
 | Pages 40 - 43 |
| 3.4 Materials | * 3.4.2 Mechanical properties of matter
 | Pages 44 - 51 |
| 3.5 Newton’s Laws of motion and momentum | * 3.5.1 Newton’s Laws of motion
* 3.5.2 Collisions
 | Pages 52 - 55 |
| **4.2 Energy, power and resistance** | * **4.2.1 Circuit symbols**
* **4.2.2 E.m.f and p.d**
* **4.2.3 Resistance**
* **4.2.4 Resistivity**
* **4.2.5 Power**
 | **Pages 60 – 63****66 – 67, 70 - 71** |
| 4.3 Electrical circuits | * 4.3.2 Series and parallel circuits
* 4.3.3 Potential dividers
 | Pages 68 – 7374 - 75 |
| 4.4 Waves | * **4.4.1 Wave motion**
* 4.4.3 Superposition
 | **Pages 76 – 80**Pages 86 - 89 |
| 4.5 Quantum Physics | * 4.5.1 Photons
* 4.5.2 The Photoelectric Effect
* 4.5.3 Wave-particle duality
 | Pages 94 - 99 |
| 5.1 Thermal Physics | * 5.1.1 Temperature
* 5.1.2 Solid, liquid and gas
* 5.1.3 Thermal properties of materials
* 5.1.4 Ideal gases
 | Pages 102 - 109 |
| 5.2 Circular motion | * 5.2.1 Kinematics of circular motion
* 5.2.2 Centripetal force
 | Pages 112, 113 |
| 5.3 Oscillations | * 5.3.1 Simple harmonic oscillations
 | Pages 115 - 117 |

**\*Due to the nature of multiple choice questions – you could be tested on any of the topics covered so far.**