Year 12 Long Term Scheme of Learning 2025-26

Subject: Physics (TSH)

Date	Exams/ Assess	Unit(s)
1/9/25		Specification 3.4 Mechanics and Materials • Motion graphs • suvat equations applied to linear and projectile motion • Stopping distance and car safety • Required Practical 3 • Fundamental forces • Newton's Laws of Motion • Centre of Mass and stability • Resistive forces and terminal velocity • Forces and equilibrium
8/9/25		
15/9/25		
22/9/25		
29/9/25		
6/10/25		
13/10/25		
20/10/25		
3/11/25		Specification 3.4 Mechanics and Materials • Summative Assessment One to include all content from Half Term 1 • The Principle of Moments • The Principle of Conservation of Momentum Year 12 Work Experience Week takes place in December
10/11/25		
17/11/25		
24/11/25		
1/12/25		
8/12/25		
15/12/25		
5/1/26		Specification 3.4 Mechanics and Materials • The Principle of Conservation of Energy • Work Done, Power and Efficiency • Bulk properties of materials • Hooke's Law • Elastic potential energy • Young's Modulus • Required Practical 4
12/1/26		
19/1/26		
26/1/26		
2/2/26		
9/2/26		
23/2/26		Specification 3.5 Electricity • Electric current and mean drift velocity • Band theory of solids • Characteristics of resistors, filaments and sensors • Resistivity • Required Practical 5
2/3/26		
9/3/26		
16/3/26		
23/3/26		
30/3/26		
20/4/26		Specification 3.5 Electricity • Summative Assessment Two to include all content from the start of the academic year up until the end of Half Term 4 • Domestic energy and the Plug • EMF and internal resistance • Required Practical 6 • Kirchoff's Laws • Potential Dividers
27/4/26		
4/5/26		
11/5/26		
18/5/26		
1/6/26		Specification 3.6 Further Mechanics: Circular Motion • Angles – degrees and radians • Conditions for circular motion • Centripetal Force • Whirling bung experiment The final week of the academic year involves a bespoke timetable for all Year 12 students
8/6/26		
15/6/26		
22/6/26		
29/6/26		
6/7/26		
13/7/26		