

Physics Triple Award (Higher)

Mock Examination Revision List

Question	Part of the specification	Detail	Revised? √/X
1 Speed, stopping distances	4g 2b	Define thinking distance, braking distance and overall stopping distance. List and learn factors that affect thinking distance and braking distance. Practice calculations of speed/distance/time	
2 Electrical Circuits	1 a, d, e, f, g	Learn the layout and how to use the standard test circuit Practise calculations involving $V=IR$ and $P=IV$	
3 Nuclear Fission and Fusion	6 c, d, e, f, g	Learn what happens in the chain reaction in nuclear fission. Describe features of a nuclear (fission) reactor. Be able to explain the roles of the moderator, fuel rods and control rods. Learn some reasons why fusion reactions are hard to achieve (on Earth)	
4 Velocity/ time graphs, terminal velocity	2a, b, c 3d, f, g	Learn what the key features of velocity/time graphs are and how to use them, including how to determine acceleration and distance travelled. Practise explaining how forces and changes in speed lead to objects reaching a terminal velocity. Learn what factors affect the terminal velocity of an object.	