

Subject: Physics (TSH)

Date	Exams/ Assess	Unit(s)
1/9/25		Astrophysics (spec. 3.9) Specification 3.9.1 - Telescopes • Introduction to convex and concave lenses • Construction of lens diagrams • Uses of lenses • Astronomical refracting telescopes • Cassegrain reflecting telescopes • Collecting power and resolving power of telescopes • Radio telescopes • CCDs
8/9/25		
15/9/25		
22/9/25		
29/9/25		
6/10/25		
13/10/25		
20/10/25		
3/11/25		Astrophysics (spec. 3.9) Specification 3.9.2 – Classification of stars • Stellar distances – light years, A.U and parsecs • Life cycle of a star • Classification by magnitude • Wein and Stefan’s laws • H-R diagram • Supernovae and Black Holes
10/11/25		
17/11/25		
24/11/25		
1/12/25		
8/12/25		
15/12/25		
5/1/26		Astrophysics (spec. 3.9) Specification 3.9.3 – Cosmology • Doppler Effect • Redshift • Hubbles’ Law • The Big Bang and the evolution of the universe • Quasars • Estimation of distance methods
12/1/26		
19/1/26		
26/1/26		
2/2/26		
9/2/26		
23/2/26		Revision and exam practice for spec 3.4 Mechanics and materials
2/3/26		
9/3/26		
16/3/26		
23/3/26		Revision and exam practice for spec 3.5 Electricity
30/3/26		
20/4/26		Revision and exam practice for spec 3.2 Particles and Radiation
27/4/26		
4/5/26		Revision and exam practice for spec 3.3 Waves
11/5/26		
18/5/26		Start of exams
1/6/26		
8/6/26		
15/6/26		
22/6/26		
29/6/26		
6/7/26		
13/7/26		