

Physics A-Level Astrophysics Notes Checklist (7407/7408)

Topics	✓
3.9 Astrophysics	
3.9.1 Telescopes	
3.9.1.1 Astronomical telescope consisting of two converging lenses	
3.9.1.2 Reflecting telescopes	
3.9.1.3 Single dish radio telescopes, I-R, U-V and X-ray telescopes	
3.9.1.4 Advantages of large diameter telescopes	
3.9.2 Classification of stars	
3.9.2.1 Classification by luminosity	
3.9.2.2 Absolute magnitude, M	
3.9.2.3 Classification by temperature, black-body radiation	
3.9.2.4 Principles of the use of stellar spectral classes	
3.9.2.5 The Hertzsprung-Russel (HR) diagram	
3.9.2.6 Supernovae, neutron stars and black holes	
3.9.3 Cosmology	
3.9.3.1 Doppler effect	
3.9.3.2 Hubble's law	
3.9.3.3 Quasars	
3.9.3.4 Detection of exoplanets	