

	stellar evolution		<p>Mass luminosity relation for main sequence stars</p> <p>Cepheid variables</p> <p>Stellar evolution on HR diagrams</p> <p>Red giants, white dwarfs, neutron stars and black holes</p> <p>Chandrasekhar and Oppenheimer Volkoff limits</p>	their answers and working and give and receive feedback from their peers.
	Cosmology	D.3	<p>The Big Bang model</p> <p>Cosmic microwave background (CMB) radiation</p> <p>Hubble's law</p> <p>The accelerating universe and redshift (z)</p> <p>The cosmic scale factor (R)</p>	
<p>Additional HL Astrophysics Topics</p> <p>10 More Hours for HL</p>	Stellar processes (HL ONLY)	D.4	<p>The Jeans criterion</p> <p>Nuclear fusion</p> <p>Nucleosynthesis off the main sequence</p> <p>Type Ia and II supernovae</p>	<p>Mock Exams: (Covering all units)</p> <p>Paper 1: Multiple questions</p> <p>Paper 2: Open-end questions</p> <p>Paper 3: Experimental & Options based open-end questions</p>
	Further cosmology (HL ONLY)	D.5	<p>The cosmological principle</p> <p>Rotation curves and the mass of galaxies</p> <p>Dark matter</p> <p>Fluctuations in the CMB</p> <p>The cosmological origin of redshift</p> <p>Critical density</p> <p>Dark energy</p>	

All Diploma Programme courses are designed as two-year learning experiences.