

	Term 1: Sept –Dec Content	Term 2: Jan-April Content	Term 3: April - July Content	Desired end of year outcomes
Year 11	<p><i>The Astronomy options group continue to follow a course based on the Edexcel GCSE in Astronomy and will complete the following Y11 topics:</i></p> <ul style="list-style-type: none"> • Sidereal and synodic time • Lunar phases • The Equation of Time • Sundials and shadow sticks • Longitude and time zones • Interactions • Formation of planets and moons • Gas giants and planetary atmospheres • Exoplanets • Extra-terrestrial life • Magnitudes • Spectroscopy and the H-R diagram • Stellar distances • Variable stars 	<p><i>The Astronomy options group continue to follow a course based on the Edexcel GCSE in Astronomy and will complete the following Y11 topics:</i></p> <ul style="list-style-type: none"> • Radio telescopes • Observing in other wavelength regions • Nebulae and clusters • Evolution of solar-mass stars • Evolution of massive stars • Evolution on the H-R diagram • The Milky Way • Groupings of galaxies • Classification of galaxies • Active galaxies • Redshift • Hubble’s law • The Big Bang • Dark matter and dark energy • Revision 	<ul style="list-style-type: none"> • Final Revision • Exam techniques • Study Leave • GCSE Exams 	<p><i>On completion the GCSE Astronomy course the students should :-</i></p> <ul style="list-style-type: none"> ▪ <i>Have a deeper understanding of the universe around us.</i> ▪ <i>Formally recognise the skills taught by sitting the GCSE exam.</i> ▪ <i>Have the hands-on skills required to be able to participate in ‘stargazing’ as a hobby.</i> • <i>Be confident and proficient enough to take the GCSE Astronomy exams.</i>
				Key Contact Name & Email
Assessment	<ul style="list-style-type: none"> • Past papers GCSE exam questions • Unit tests 	<ul style="list-style-type: none"> • Past papers GCSE exam questions • Unit tests • Mock Exam 	<ul style="list-style-type: none"> • GCSE Exams 	<p>Mr J Larrive jlarrive@glebe.bromley.sch.uk</p>

