



Program - Introduction to Astronomy - September 2019

Date	5:30 - 6:30 pm		Session 1 Topics 6:45 - 7:30pm		
Day 1 Friday 27 th Sept Can arrive from 3.00pm to set up tent etc	BBQ		Viewing with binoculars and telescope Practical Viewing to 10pm depending on weather.		Alternate program if cloudy.
	Session 2 Topics 11 - 12am	Lunch 12-1pm	Session 3 Topics 1-2pm	Aft tea 2-2.15pm	Session 4 2.15—3.15pm
Day 2 Daytime Saturday 28 th Sept	<ul style="list-style-type: none"> • History of Astronomy • Constellations • Ancient Models • The Scientific Method • Kepler & his laws • Newton & Gravity 		<ul style="list-style-type: none"> • Astronomical Distances • Nature of Light • Doppler Effect • Magnitude scale • Naming of stars 		Celestial Mechanics <ul style="list-style-type: none"> • Celestial Sphere • Celestial Coordinates • Time, Seasons • Phases of the Moons • Tides • Transits & Eclipses
	Free time 3.15-5.30pm	Dinner 5.30-6.30pm	Session 5 Topics 6.30-7.30pm		Session 6 7.30—10.00pm
Day 2 Evening Saturday 28 th Sept		BBQ	Our Solar System and other Star Systems <ul style="list-style-type: none"> • Planets and Moons • The bit and pieces • The outer reaches of the Solar System • Origins of the Solar System • Other star systems 		Practical or alternate Program
Day 3 Sunday 29th Sept	Breakfast from 7.00am. Pack up and off site by 10:00am				