



Astronomer Proficiency Badge Program @ Gingin Observatory

(A) Investigation		(B) Skill	(C) Activity	
Prior to visit	On night	On night	Post visit	On night
<p>Find out about two main stars and one constellation.</p> <p>(Cub/Scout Leader to liaise with Gingin Observatory so that research is conducted on stars or constellations that will be available to be seen on night of visit.)</p>	<p>Know the principal observations, optical and radio, in the world.</p> <p>Gingin Observatory Astronomers to explain the difference between the principal observations, optical and radio.</p> <p>Introductory video on the global \$3B Square Kilometre Array project. Latest information and what job opportunities there may be for future astronomers.</p>	<p>Know the location in the night sky of two constellations.</p> <p>Gingin Observatory Astronomers demonstrate the night sky in theatre using Starry Night software that shows various stars and constellations.</p> <p>Cubs/Scouts to locate two constellations when in the observatory.</p> <p>(Cubs/Scouts to locate their researched stars and constellations.)</p>	<p>Report on Gingin Observatory visit.</p>	<p>Identify and report on a natural Solar System or Universe event.</p> <p>Variable star research project.</p> <p>With assistance, Cubs/Scouts map the brightness of a variable star as seen through a telescope. Each to make individual observations. Average taken for whole night. Data recorded on chart. All educational visits to Gingin Observatory will conduct the same research throughout the year. At the end of the year, the variable star brightness chart will be distributed to all participants so that the children can see their part in the larger research project.</p> <p>(Currently, not many variable stars are being researched. Who knows what may be discovered!?)</p>

Astronomer Proficiency Badge to be presented by Gingin Observatory Head Astronomer, Grant Thornett. Presentation to take place at the end of the visit in front of Obsession Telescope, the largest telescope for public access in Australia.

Costs: Minimum \$450.00. Up to 25 children. \$18.00 p/p thereafter. 1 leader per 15 Cubs/Scouts no charge. Coach driver no charge. Additional leaders \$18.00 p/p. Parents \$32.50 p/p. Not available Fri, Sat & Sun nights (Sep to May). More information and bookings can be made by calling Gingin Observatory on 08 9575 7740 or by emailing stars@ginginobservatory.com.