

The Backyard Universe

Astronomy & geology activities for your classroom or excursion or school camp

Night sky & astronomy tours (weather permitting)	<p>Our unique multicultural night sky tour at <i>The Forktree Project</i> between Carrickalinga & Myponga. See nearly as many stars as the Outback, from much closer to Adelaide! During the tour we:</p> <ul style="list-style-type: none"> • Guide you through the night sky with a laser pointer & large telescope(s). • Show you how several southern hemisphere indigenous cultures perceive the night sky. • Introduce you to some traditional Chinese & Indian constellations. • ...and you're shown textbook astronomy as well. <p><i>We can also do this tour at your school or school camp if there's a suitable location available there.</i> See the FAQ on our website for details.</p>
Incursions	<p>Safely viewing the Sun's surface features with a Solar Telescope.</p> <p>Making scale-models of our solar system, and other stars' solar systems.</p> <p>Making a planisphere (star wheel) and discovering how it works.</p> <p>Other astronomy and space exploration presentations, including eclipses.</p> <p>Making scale-models of geological time.</p> <p>Hands-on geology presentation with our rocks & minerals collection.</p>
Excursions	<p><i>Travellers of the Permian Ice Age</i> walking tour at Morgans Beach (Cape Jervis). It's a great location for glacial erratics and other phenomena from the ice age that ended 280 million years ago.</p> <p><i>Wirrina Cove coastline walk</i> over rocks at low tide. 1600 million year old rocks, folded rocks, the Snowball Earth ice age and a coastal cave.</p> <p><i>Balweyth Kernewek</i>. Colonial history, mining & mineral processing techniques at the Talisker Mine ruins near Cape Jervis.</p> <p>We've also run geology tours of Victor Harbor's coast, the volcanoes of Mt Gambier & western Victoria, and in various locations in the Flinders Ranges.</p>
Camp activities	<p>Any of the Incursions activities.</p> <p>Multicultural night sky tour at your school camp.</p> <p>Interactive hands-on discovery of the geology near your school camp.</p>

**Your guide has 30+ years experience in both astronomy education and mineral exploration.
Contact us to tailor our activities to your students' learning needs & interests.**

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