



Astronomy & geology activities for your school camp by The Backyard Universe

Discover the night sky during your school camp; and see stars & planets and other celestial objects through our powerful portable telescopes (weather permitting). Learn how different cultures have interpreted their night skies during our laser pointer guided tour. Our astronomical guides have decades of night sky experience in showing students (and the general public) the wonders of our night sky, and explaining them in a fun and informative way. And we keep ourselves updated on the latest discoveries & developments so that you don't have to.

Our camp packages also offer daytime astronomical and geological activities that meet ACARA standards for Years 4 to 12. **For example:**

- Create a scale model of our solar system, and compare it with other stars' planetary systems.
- Interactive hands-on discovery of the geology (and any mines) near the camp. We generally do this as a half-day guided walk, or series of walks, depending on what's available to visit nearby. We discuss how earth's geology compares to other planets. Our geology guide has over 30 years experience in mineral exploration, mineral processing, mining history & technology.
- Safely observe the sun (and any sunspots). Discuss the sun's many effects on the earth.
- Make a Toilet Roll of Australian Geological Time and discuss its major geological events.
- Make your own planisphere and then discover how it works.
- Create your own meteor craters. Discuss meteor impacts on the earth & other solar system bodies.
- Collect sand samples from the local area, examine them with our webcam magnifier, discuss the differences between the samples.
- Create a geology map.



We'll change our itinerary to suit your other camp activities; but for a five day school camp where we provide all of the activities our itinerary might look like this.

	Morning	Afternoon	Evening
Day 1	Travel to camp		Stargazing *
Day 2	Geology walk or activity	Astronomy activity	Stargazing *
Day 3	Astronomy activity	Geology walk or activity	Stargazing *
Day 4	Geology walk or activity	Astronomy activity	Stargazing *
Day 5	Travel home		

* We can do an alternative activity if it's cloudy.

We've already worked with camps at Bendleby Ranges, Nepabunna, Alpana, Angorichina Village, Wilpena, Rawnsley Park, the Fleurieu Peninsula and Adelaide Hills. We're happy to add new locations to our portfolio.

Our prices depend on your camp's location, duration, and group size. Contact us for a quote.



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