



Teacher Earth Science Education Programme



Professional Development Workshop Series in STEM / Earth and Environmental Science
at McAuley College, Tumut on Thursday 12 December 2024

8:30-9:45am FIELDTRIP for teachers/labtechs- Adelong Historic Gold Mill and Igneous rocks in the town – meet at the historic site for a local geology overview, before exploring the use of Adelong norite/gabbro in local building construction - Adelong Falls Gold Mill Ruins, Adelong Falls Rd, Adelong NSW 2729. - **Year 4 to 10**

10.30 to 12.30pm: Rocks and Critical Minerals. Introduction to the TESEP kits and teaching resources: integrated teaching of rocks/minerals in the plate tectonics and rock cycle context, with rock/mineral stories, 3D renders/virtual teaching. Hands-on activities to describe rocks, rock cycle examples, and their use in society, by First Nations Australians and for the energy transition. **Curriculum topics for years 4 to 9.**

1.00 to 3.00pm: Life, Fossils and the 5 Big Extinctions. Explores the plate tectonics setting, volcanic-climate-changing events at the 5 Big Extinctions, taking you on a journey through geologic time, fossil changes and big picture changes in water, atmosphere, geography and soil - livability through the ages. **Curriculum topics for years 9 to 12, with STEM, biology-geography-climate science crossover.**

Location: McAuley Catholic College, Tumut – Capper St, Tumut NSW 2720	Meeting room: After Fieldtrip at Adelong, attendees to go to the front desk to be directed to Meeting Room
Date: Thursday 12 December 2024	Time: 8.30pm to 3pm
School Facilitators: Julie Cross	Refreshments: lunch & morning tea provided
Presenter: Phil Gilmore is a TESEP regional coordinator, and a geoscientist with over 25 years of experience and expertise in geological mapping and geodynamics, mineral systems and exploration, outreach and geotourism.	

The TESEP RocksExpo experience includes:

1. **PD workshops:** after-school professional development workshops for teachers.
2. **Certificate of attendance:** a certificate of hours and workshop outcomes will be issued.
3. **Rock Checks** – of existing school collections
4. **Fieldtrips & local geology**



TEACHER EARTH SCIENCE EDUCATION PROGRAMME

* Professional Development * Unique teaching materials * Curriculum resources portal *

See www.tesep.org.au for more information.





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To register for a workshop:

1. Please complete the following form and email to: office@asta.edu.au
2. You will be issued with an invoice by ASTA for payment by direct bank transfer or credit card.

WORKSHOP DETAILS

Fieldtrip & Two x Professional Development Workshops at McAuley Catholic College, Tumut, 12 Dec 2024, 8.30am to 3pm.

- Adelong Fieldtrip, then – PD Rocks/rock kit/plate tectonics integrated story
- PD - Life, Fossils & the 5 Big Extinctions

Please select from the options below:

I work at the host school or another sponsored school (no cost).

I work at another school (\$65 per attendee). **(includes lunch & morning tea)**

I would like to apply for half-day Casual Relief of \$220 (excl. GST). 4 available, 1 per school, on application. (School to invoice TESEP, once relief funding approved by TESEP).

YOUR DETAILS

Name:

School:

Teaching area:

Phone (school):

Phone (mobile):

Email:

Postal address (for certificate):

Dietary or other requirements:

PAYMENT DETAILS

The registration fee for each workshop / field trip is non-refundable – though the fee is transferable to another PD workshop or for another teacher to substitute. The fee is GST inclusive.

An invoice will be emailed to you by the ASTA (Australian Science Teachers Association, ABN 87 902 882 824). The invoice includes details for payment by direct bank transfer or by credit card. Contact ASTA if any queries: office@asta.edu.au



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CERTIFICATE OF PARTICIPATION

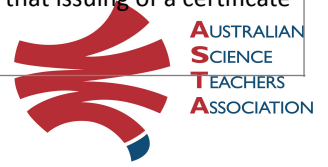
A certificate will be issued by ASTA which states the number of PD attendance hours. Please note that issuing of a certificate is conditional on workshop payment.



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Please contact us if any queries for more information!



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