



Teacher Earth Science Education Programme



AUSTRALIAN
SCIENCE
TEACHERS
ASSOCIATION

Professional Development Workshop Series in Earth and Environmental Science

Fieldtrip, Rock Stories, Hermidale/Aeris mine tour, (stories of the local rocks),
Sat 18 Feb 8:15am–10:30am, meet outside Hermidale PS Mouramba St

3-PD Critical Minerals - Renewable Energy

 (magnets for wind

turbines, solar panels, electric cars), **Our Place in Space & Rocks** (Rock Kit Teaching Pack) **Sat 18 Feb 2023, 11:15am-5:15pm**

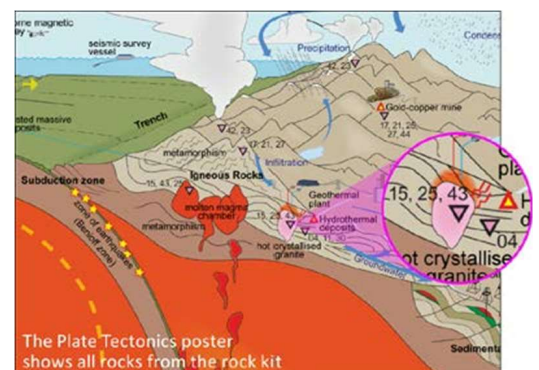
School: Nyngan High School, 19 Cobar St, Nyngan **Meeting Room:** sign in at front office

Date: **Sat 18 February 2023**, 11:15am – 1:15pm **Critical Minerals & Renewable Energy** (electric cars/wind turbine magnets/touch screens, solar panels) ---lunch break ---, 1:45-3:30pm **Our Place in Space** 4:00-5:15pm **Rocks & Rock Stories** (& How to Use TESEP Rock Kit 3D renders, virtual thin sections, Rock Stories, virtual fieldtrip exposures) **Facilitators:** Emma Partridge/Benn Wright

The RocksExpo experience includes–

1. **Incursions** – classroom lessons with students and teachers.
2. **PD workshops** – After-school professional development workshops for teachers (1- to 2-PD sessions @ \$25 per attendee for visiting teachers, FREE to host-school teachers).
3. **ASTA Certificate of attendance** – A certificate of hours and workshop outcomes will be issued.
4. **FREE rock kit** – Host to receive a FREE rock kit and Plate Tectonics poster.
5. **Introductory RocksExpo** feature How to Use the Rock Kit and Teaching Pack (e.g. how to relate rock kit rocks to rock stories, 3D rendered samples, virtual thin sections and virtual outcrops).
6. **Subsequent RocksExpo** topics can be chosen from TESEP's "The Challenging Earth" series
7. **Excursions** – possible trip to local field outcrops (dev a guide for teachers) - on request

Presenters: **Phil Gilmore** has expertise in geological mapping, the history of the Earth and minerals across Australia. **Malte Ebach** is an experienced sedimentary basin geologist. Their work in several states gives them many rock stories and samples to share.



tesep.org.au

asta.edu.au

Please email your completed form to TESEP registration: registration@tesep.org.au

Professional Development Workshop Series in Earth and Environmental Science

Name:
School:
Teaching Area:
Phone (School):
Email:
Home postal address:
Special Dietary and other requirements:

Booking form

Email or fax form to ASTA (office manager – Michelle Lollback). Send the non-refundable* registration fee (includes GST) to Australian Science Teachers Association (ABN 87 902 882 824).

Payment can be made by direct bank transfer or cheque/money order. Please include your name and workshop details with payment (e.g. TESEP PD9 NSW July 20 J. Citizen).

*The fee is transferable to another PD workshop or for another teacher to substitute

Email: officemanager@asta.edu.au

Address: TESEP - ASTA
PO Box 334 Deakin West ACT 2600

Account Details: Australian Science Teachers Association (ASTA) BSB: 082 902 Account No: 556 705 700

Please tick here if you require an invoice and provide address if different from the one above:

A certificate will be issued by ASTA which states the number of PD attendance hours. For registration inquiries contact registration@tesep.org.au

Please Note: Issuing of a certificate is conditional on workshop payment.

Registration fee: Free for teachers working at the host school and other sponsored schools. \$25 per attendee for each other (non-sponsored) school.

PLEASE PRINT CLEARLY

Workshop: 2-PD Critical Minerals, Our Place in Space & Rocks (Rock Kit teaching pack)	Date: Sat 18 Feb 2023
Venue: short local fieldtrip / mine tour Hermidale & 3-PD at Nyngan High School	State: NSW

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