



Teacher Earth Science Education Programme



AUSTRALIAN
SCIENCE
TEACHERS
ASSOCIATION

Professional Development Workshop Series in Earth and Environmental Science

Fieldtrip, rocks & structure, Lithgow area, Fri 4 Nov 8:00 – 9:30am, tbc

2-PD Critical Minerals- Renewable Energy (electric cars, magnets for wind turbines, solar panels, touch screens) & Rocks (Rock Kit Teaching Pack)

School: Lithgow High School, 1A Pau St, Lithgow **Meeting Room:** Lab I 13 – meet at front office

Date: Wed 2 Nov 2022, 3:45pm - 5:30pm Critical Minerals & Renewable Energy (electric cars/ wind turbine magnets/touch screens, solar panels),--- supper break ---,

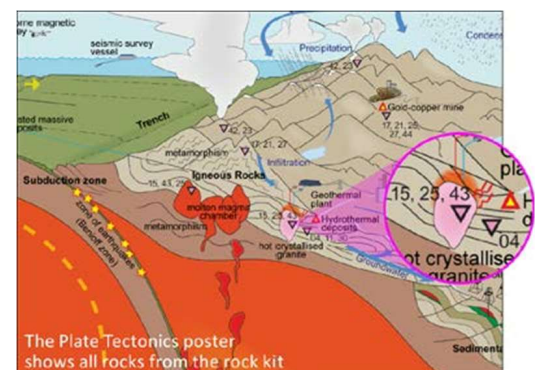
5:45-6:30pm **Rock Stories** (& How to Use the TESEP Rock Kit 3D renders, virtual thin sections, Rock Stories, virtual fieldtrip exposures)

School Facilitator: James Taylor

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

Presenter: Phil Gilmore is a keen ore geologist, who has worked in industry and in government. He has many exciting rocks, ores, minerals and exploration rock stories 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 & <i>Rocks</i> (the Rock Kit teaching pack)	Date: Wed 2 Nov 2022
Venue: short local fieldtrip & PD at Lithgow High School	State: NSW

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