

Teacher Earth Science Education Programme



Professional Development Workshop Series in Earth and Environmental Sciences

TESEP PRESENTS: Professional Development WORKSHOP 1

PD1: Round and Round with Rocks – Focus on the Canberra Region

Date: Tuesday 5th December 2017

Time: 9am – 4.00pm

Venue: Geoscience Australia (Education Centre), Symonston ACT

Presenter: Greg McNamara – an experienced geologist and science teacher and also TESEP Executive Officer, editor of the Australian Geoscience Council's GeoEdLink e-newsletter, and Education and Outreach Consultant to the Geological Society of Australia.

Programme:

This workshop examines the rock cycle and places it in the context of plate tectonics, geological time and dynamic earth processes, including climate change. Exploration of minerals, ores and mining are put in context.

In this workshop there will be a particular focus on the rocks of the Canberra Region, as well as some activities that could be used for Senior Earth and Environmental Science students.

At the completion of this workshop teachers will be equipped with the background information and resources, including some practical activities, to assist them with teaching the requirements of the Australian Curriculum: Science, particularly at the Year 8 and Senior EES levels.

Links to the Australian Curriculum:

There are many links, some of which are listed below

Science Curriculum, Science Understanding:

Earth and space science

8 – Sedimentary, igneous and metamorphic rocks contain minerals and are formed by processes that occur within Earth over a variety of timescales

9 – The theory of plate tectonics explains global patterns of geological activity and continental movement

Senior Earth and Environmental Science

Unit 1 – Introduction to Earth Systems

Australian Professional Standards for Teachers:

6.2.2 Participate in learning to update knowledge and practice, targeted to professional needs and school and/or system priorities

7.4.2 Participate in professional and community networks and forums to broaden knowledge and improve practice

FOR ACT Teachers:

This workshop can be counted towards Teacher Identified hours for TQI accreditation.

A certificate will be issued by ASTA that states the number of attendance hours.

What TESEP offers teachers and laboratory technicians

- Limited CRT is available on request (contact the TESEP coordinator)
- PD hours will be noted on a certificate of attendance issued by ASTA
- run-through the topic, with experiments, demonstrations and activities
- lunch, morning and afternoon tea
- DVD, posters and class exercise material from the PD
- talks with industry geologists and half-day field trips
- two nights accommodation for a three-day combined PD workshops (conditions apply)
- one nights accommodation for a two-day individual PD workshop (conditions apply)
- travel supported by \$100 petrol allowance (conditions apply)
- access to trained presenters and geology professionals
- introduction to and guidance in Earth and Environmental Sciences

See tesep.org.au for topics in this series:

Riding the Climate Roller Coaster
Round and Round with Rocks
Our Place in Space
Fossil Sunlight
Powerful Stuff
Greening Coal
Wet Rocks
Hot Rocks
Plate Tectonics

A non-refundable* \$55 registration fee applies.

*The fee is transferable to another PD workshop or for another teacher to substitute. Approval by your school principal, prior to registration is recommended.

Register through registration@tesep.org.au or for further details contact the TESEP ACT Coordinator Rebecca Cashmere- ACT_coord@tesep.org.au

tesep.org.au
asta.edu.au
pesa.com.au

Workshops are cancelled 5 working days prior if insufficient registrations are received. Late registrations may be accepted if the workshop is running. Always contact us and ask!

Teacher Earth Science Education Programme



Professional Development Workshop Series in Earth and Environmental Sciences

TESEP PRESENTS: Field Trip

TESEP Teacher Field Trip – Canberra Geological Sites

Date: Wednesday 6th December 2017

Time: 8:15am to 4pm

Venue: Meet at Geoscience Australia (Education Centre), Symonston ACT and various sites around Canberra

Presenter: Greg McNamara – an experienced geologist and science teacher and also TESEP Executive Officer, editor of the Australian Geoscience Council's GeoEdLink e-newsletter, and Education and Outreach Consultant to the Geological Society of Australia.

Programme:

This field trip will take teachers to a variety of sites in Canberra that can be used for short excursions. Teachers will learn about the geological features of each site and undertake a task that could be used by students. The activities will be targeted towards Year 11 and 12 students, although teachers of Years 7-10 may also find it valuable.

Links to the Australian Curriculum:

There are many links, some of which are listed below

Science Curriculum, Science Understanding: 7-10

Senior Earth and Environmental Science

Geography Curriculum 7-12

Australian Professional Standards for Teachers:

6.2.2 Participate in learning to update knowledge and practice, targeted to professional needs and school and/or system priorities

7.4.2 Participate in professional and community networks and forums to broaden knowledge and improve practice

FOR ACT Teachers:

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What TESEP offers teachers and laboratory technicians

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- lunch, morning and afternoon tea
- DVD, posters and class exercise material from the PD
- talks with industry geologists and half-day field trips
- two nights accommodation for a three-day combined PD workshops (conditions apply)
- one nights accommodation for a two-day individual PD workshop (conditions apply)
- travel supported by \$100 petrol allowance (conditions apply)
- access to trained presenters and geology professionals
- introduction to and guidance in Earth and Environmental Sciences

See tesep.org.au for topics in this series:

*Riding the Climate
Roller Coaster
Round and Round with
Rocks
Our Place in Space
Fossil Sunlight
Powerful Stuff
Greening Coal
Wet Rocks
Hot Rocks
Plate Tectonics*

A non-refundable* \$55 registration fee applies.

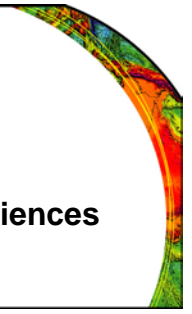
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Teacher Earth Science Education Programme

Professional Development Workshop Series in Earth and Environmental Sciences
PD workshop registration form

Workshops run from 9am to 4pm (unless otherwise indicated).

Workshops are cancelled 5 working days prior if insufficient registrations are received.

Late registrations may be accepted if the workshop is running. Always contact us and ask!

PLEASE PRINT CLEARLY

Workshop name:	Date:
Venue:	State:

Name:		
School:		
Teaching area:		
Phone (school):	(home):	(mobile):
Email:	Fax:	
Home postal address:		
Special dietary and other requirements:		

Registration Fee: \$55 per day applies for all registrants, except for Casual/Temporary Relief Teachers, Student Teachers, unemployed and under-employed teachers, where a maximum of \$55 for one or two day workshop and associated field day will apply. To claim the discount please tick the box and state your reason for the claim:

Yes I would like to claim the discount because I am

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

Include your name and workshop details with payment (e.g. TESEP PD9 WA July 16 J. Citizen)

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

Fax: 02 6282 9477

Email: officemanager@asta.edu.au

Address: TESEP
 c/o 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 if you require an invoice and provide the correct address for invoicing if different to your home address:

Please also email a copy of your completed form to TESEP registration: registration@tesep.org.au

A certificate will be issued by ASTA which states the number of PD attendance hours.

For registration inquiries contact registration@tesep.org.au

www.astesep.org.au www.astesa.edu.au

Please Note: Payment of subsidies and issuing of a certificate are conditional on workshop payment.