

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 at Monash

Date: Thursday 24th July 2015

Session Time: 9pm to 4pm

Venue: Monash University Clayton Campus – Room G09; 9 Rainforest Walk (previously known as Building 28)

Presenters

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.

James Driscoll – Sedimentologist Monash University School of Earth, Atmosphere & Environment (SEAE); SEAE Outreach Program Co-ordinator

Julie Boyce – Volcanologist Monash University School of Earth, Atmosphere & Environment (SEAE); SEAE Outreach Program Co-ordinator

Programme

This professional learning day combines TESEP PD1 Round and Round with Rocks and the outreach/incursion facilities and programs of Monash University's School of Earth, Atmosphere and Environment. We will examine the rock cycle and places it in the context of plate tectonics, geological time and dynamic earth processes, including climate change. Exploration of mineral and energy resources are also discussed. 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 AusVELS Level 7 & 8.

- 09:00 – 09:15 Registration
- 09:15 – 09:30 Introduction from Monash University's School of Earth, Atmosphere & Environment (SEAE) including outreach/incursion activities (& introducing the SEAE rock lending library)
- 09:30 – 10:45 TESEP Round and Round with Rocks and Minerals
- 10:45 – 11:00 Morning Tea
- 11:00 – 12:45 TESEP Round and Round with Rocks and Minerals (continued)
- 12:45 – 13:30 Lunch
- 13:30 – 15:00 Monash University's School of Earth, Atmosphere & Environment Himalayan Prac – a holistic approach to teaching earth sciences, physical geography and atmospheric science.
- 15:00 – 15:15 Afternoon Tea
- 15:15 – 16:00 Monash University Earth Sciences Garden Tour

National Curriculum Connections

Earth and space science

- Year 7 Some of Earth's resources are renewable, but others are non-renewable (ACSSU116)
- Year 8 Sedimentary, igneous and metamorphic rocks contain minerals and are formed by processes that occur within Earth over a variety of timescales (ACSSU153)
- Year 9 The theory of plate tectonics explains global patterns of geological activity and continental movement (ACSSU180)

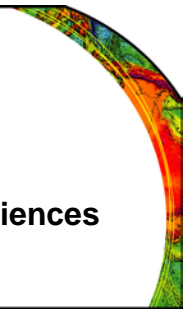
Geography

- Year 7 The classification of environmental resources and the forms that water takes as a resource (ACHGK037)
- Year 8 The geomorphic processes that produce landforms, including a case study of at least one landform (ACHGK050)
The causes, impacts and responses to a geomorphological hazard (ACHGK053)

Teachers will receive all posters, CDs, DVDs etc. free of charge [after paying the \$55 registration fee] BUT only if they attend the PDs. They also receive an ASTA Certificate of Attendance that they can use for proof of PD if needed.

What TESEP offers teachers FREE <ul style="list-style-type: none">· PD hours are accredited by ASTA (a certificate will be issued)· run-through the topic, with experiments, demonstrations and activities· talks with industry geologists and half-day field trips· two nights accommodation for a three-day combined PD workshops· one nights accommodation for a two-day individual PD workshop· travel supported by \$100 petrol allowance· 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: <i>Riding the Climate</i> <i>Roller Coaster</i> <i>Round and Round with Rocks</i> <i>Our Place in Space</i> <i>Fossil Sunlight</i> <i>Powerful Stuff</i> <i>Greening Coal</i> <i>Wet Rocks</i> <i>Hot Rocks</i> <i>Plate Tectonics</i>
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 VIC Coordinator Leonie McGlashan– VIC_coord@tesep.org.au	tesep.org.au asta.edu.au pesa.com.au

REGISTRATION CLOSING DATE IS 7 DAYS PRIOR TO WORKSHOP START



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)

Registration closing date is 7 days prior to workshop start

PLEASE PRINT CLEARLY

Workshop name:	Date:
Venue:	State:

Name:			
School:			
Teaching area:			
Phone (school):	(home):	(mobile):	
Email:	Fax:		
Home postal address:			
Accommodation requirements:	<input type="checkbox"/> None required	<input type="checkbox"/> Shared with colleagues (free of charge)	<input type="checkbox"/> Family room/cabin (subsidised)
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 Vic Nov 15 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

PD hours are accredited by ASTA (a certificate will be issued)

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.