PD2 Riding the Climate Roller Coaster (climate change)

Date: Friday 29th April 2016
Time: 1.30 pm – 4.30 pm (Lecture and laboratory activities)
Venue: Grant High School, Hosking Ave, Mt Gambier SA

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 looks back over the last 4.6 billion years to find the drivers of climate change throughout geological time and discusses the impact climate fluctuations have had in the past as revealed by the rock record. This PD also examines the additional impact human activity is thought to have and the geological evidence for it and provides guidance on how teachers and students can access raw data to evaluate the results for themselves.

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 level.

Links to the Australian Curriculum:
There are many links, some of which are listed below

Cross-Curriculum Priority:
Sustainability

Science Curriculum, Science Understanding:
Earth and space science
10 – Global systems, including the carbon cycle, rely on interactions involving the biosphere, lithosphere, hydrosphere and atmosphere
Senior Secondary – Earth and Environmental Science

Geography Curriculum:
10 – Environmental change and management

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
• 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 tesp.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 or a copy of the registration form contact TESEP’s South Australian coordinator Len Altmann – SA_coord@tesep.org.au or 0414 355 128

tesp.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**

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Name:

School:

Teaching area:

Phone (school): (home): (mobile):

Email:

Fax:

Home postal address:

Accommodation requirements: [ ] None required [ ] Shared with colleagues (free of charge) [ ] 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

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

For registration inquiries contact registration@tesep.org.au

www.tesep.org.au www.asta.edu.au

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