TESEP PRESENTS: Professional Development WORKSHOP 9

PD 9  Plate Tectonics

Date: Friday 29th April 2016
Session Time: 9.00 am – 12.30 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 explains how the theory of Plate Tectonics was developed and how this relatively new paradigm not only explains why the Earth is so dynamic but also how it can be used to reconstruct the past appearance of the planet, predict the most likely locations of mineral and hydrocarbon deposits and explain the distribution patterns of fossil and extant animals and plants.

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 9 level.

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

Science Curriculum, Science Understanding:
Earth and space science
7 – Some of Earth’s resources are renewable, but others are non-renewable
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
10 – Global systems, including the carbon cycle, rely on interactions involving the biosphere, lithosphere, hydrosphere and atmosphere

Biological sciences
10 – The theory of evolution by natural selection explains the diversity of living things and is supported by a range of scientific evidence

Geography Curriculum:
8 – Landforms and landscapes
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

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 Altman – SA_coord@tesep.org.au or 0414 355 128

See tsep.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

tsep.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

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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
Address: TESEP
c/o ASTA
PO Box 334
Deakin West ACT 2600

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

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