

Teacher Earth Science Education Programme



Professional Development Workshop Series in Earth and Environmental Sciences

TESEP PRESENTS: Professional Development WORKSHOP 7

PD7: Our Place in Space (Astronomy for the Curriculum)

Date: Saturday 28th October 2017

Time: 9.00am – 4.00pm

Venue: St Margaret Mary's College, Crowle Street, Hyde Park, Townsville

Presenter: Philip Sansom – *Tasmanian TESEP Coordinator, a former secondary science teacher with extensive educational experience. Philip was also a former geologist working in the coal and petroleum exploration industry. He maintains an active interest in all areas of earth science and also undertakes research in paleontology at the University of Tasmania.*

Programme:

The 'Our Place in Space' workshop provides an opportunity to:

- Discuss common conceptions/misconceptions about the movement of the Earth in space
- Investigate concepts related to our Earth in the solar system
- Try engaging hands-on activities for use in your classroom
- Discuss common conceptions/ misconceptions children have regarding space /science
- Why is the Earth special? - comparing the geology of Earth and Mars

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.

Links to the Australian Curriculum:

There are many links, some of which are listed below

Science Curriculum, Science Understanding:

Earth and space science

3 – Earth's rotation on its axis causes regular changes, including night and day

5 – The Earth is part of a system of planets orbiting around a star (the sun)

7 - Predictable phenomena on Earth, including seasons and eclipses, are caused by the relative positions of the Sun, Earth and the Moon.

10 – The universe contains features including galaxies, stars and solar systems and the Big Bang theory can be used to explain the origin of the universe.

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 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 night 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 Philip Sansom
TAS_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!