



## Professional Development Workshop Series in Earth and Environmental Science

### Fieldtrip for STEM/Science teachers, CAIRNS, 1:30-4pm

#### Trinity Beach with Prof Michael Bird & Phil Gilmore – Hodgkinson Basin

igneous, metamorphic & sedimentary rocks and beach sediments/heavy minerals/rock cycle/local geology of Main Range – explained with worksheets

Meet at Cairns SHS front office depart (private transport) 1:30pm, BYO refreshments

**School:** Cairns State High School, Sheridan St, Cairns North 4870 **Meeting Space:** start of Fieldtrip – meet at Cairns SHS front office, 1:15pm for 1:30pm car-pool drive to Trinity Beach

**Date:** Thu 24 October 2024, STEM/EES secondary Science/ primary Science, Curriculum Vers 9

#### Fieldtrip – Trinity Beach

**Geology of the Cairns region in the big picture context of Main Range/Cape York/ Hodgkinson Basin – mountain-building, igneous intrusion, metamorphic folding, minerals & sedimentary rocks of Trinity Beach foreshore**

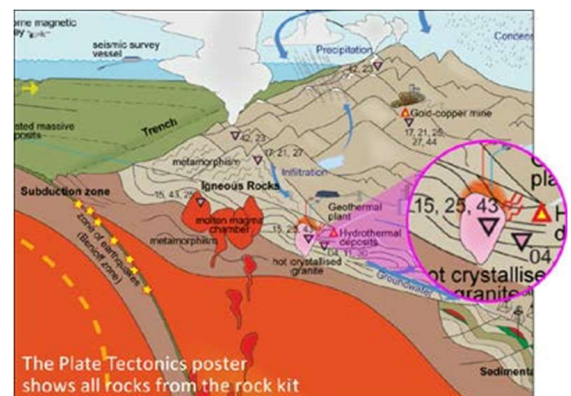
with worksheets, Prof Michael Bird (JCU) & Phil Gilmore will guide teachers in how to present the rock stories in an integrated Plate Tectonics context, with links to uses/infrastructure/minerals

**Facilitator:** Robyn Cowie, school front desk: 07 4050 3033

#### The EarthExpo experience includes–

1. **Incursions** – classroom lessons with students and teachers.
2. **PD workshops** – Professional development workshops for teachers (fieldtrip @ \$45 per attendee for visiting teachers, FREE to host-school teachers).
3. **ASTA Certificate of attendance** – A certificate of hours and workshop outcomes will be issued.
4. **FREE rock kit** – Host to receive a FREE rock kit and Plate Tectonics poster.
5. **Introductory RocksExpo** feature How to Use the Rock Kit and Teaching Pack
6. **Subsequent RocksExpo** topics can be chosen from TESEP's "The Challenging Earth" series 2

**Presenter: Phil Gilmore** has expertise in geological mapping, the history of the Earth and minerals across Australia.



Please email your completed form to TESEP registration: [registration@tesep.org.au](mailto:registration@tesep.org.au)

## Professional Development Workshop Series in Earth and Environmental Science

Rock Kit & Plate  
Tectonics poster  
tesep.org.au

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|---|
| Name:                                   |
| School:                                 |
| Teaching Area:                          |
| Phone (School):                         |
| Email:                                  |
| Home postal address:                    |
| Special Dietary and other requirements: |

### Booking form

Email or fax form to ASTA (office – Josh Fartch). 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. Please include your name and workshop details with payment (e.g. TESEP PD9 NSW July 20 J. Citizen).

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

|                                  |  |
|----------------------------------|--|
| Email: <b>office@asta.edu.au</b> | Address: TESEP - ASTA<br>PO Box 334 Deakin West ACT 2600 |
|----------------------------------|--|

Account Details: Australian Science Teachers Association (ASTA) BSB: 082 902 Account No: 556 705 700

Please tick here if you require an invoice  and provide address if different from the one above:

A certificate will be issued by ASTA which states the number of PD attendance hours. For registration inquiries contact office@asta.edu.au

**Please Note: Issuing of a certificate is conditional on workshop payment.**

Please email your completed form to TESEP registration: [registration@tesep.org.au](mailto:registration@tesep.org.au)

Registration fee: Free for teachers working at the host school. \$45/attendee - Fieldtrip attendance (does not include refreshments) – car-pooling will apply

PLEASE PRINT CLEARLY

|  |                       |
|--|-----------------------|
| Workshop: Cairns 2_Trinity Beach Fieldtrip   | Date: Thu 24 Oct 2024 |
| Venue: Cairns State High School – start at front office, 1:15pm for 1:30pm car-pool drive to Trinity Beach | State: Qld            |

Please email your completed form to TESEP registration: [registration@tesep.org.au](mailto:registration@tesep.org.au)