CORE
Full STEAM ahead

2023

SEPTEMBER QUARTERLY REPORT

TABLE OF CONTENTS

01 Executive Summary

A summary of CoRE Learning Model and Gamifying Earth Science professional development and learning experiences

02 CoRE Learning

A description of the teaching-learning support provided to schools and their educators.

03 CoRE Field Trips

At the heart of the CoRE Learning Model, the field trips are critical to the delivery success of the PBL, demonstrating to students how their learning applies to the real world and potential careers.

04 CoRE Special Events

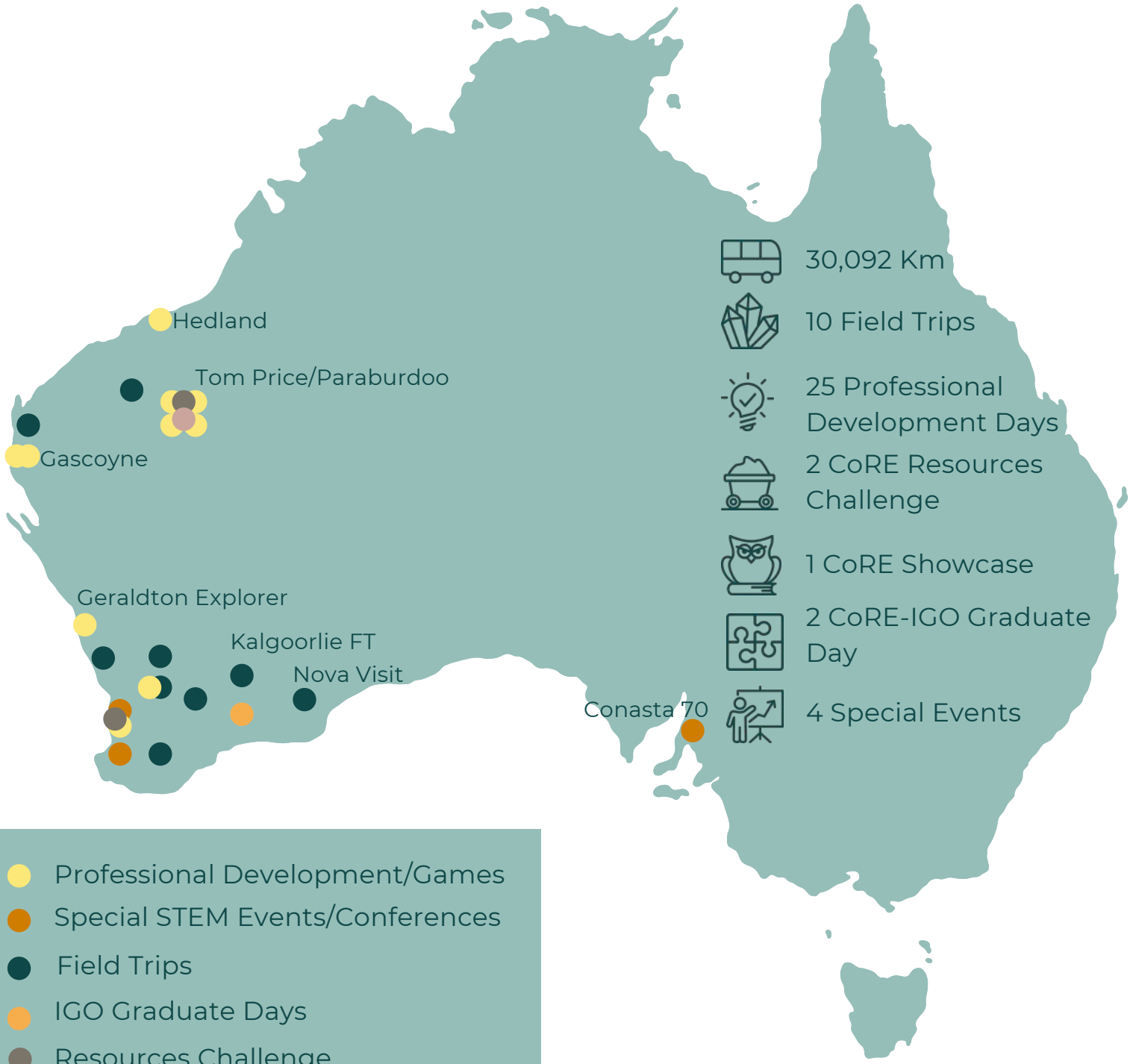
Complimentary to the CoRE PBL and instrumental to connecting community and industry with education are the CoRE Special Events, reinforcing the #therealclassroom ethos

05 CoRE Sponsors and Partners

The CLF is very grateful to our Sponsors and Partners for their support. It enables our purpose 'to support today's youth for tomorrow's world.'

SEPTEMBER 2023 QUARTERLY REPORT

EXECUTIVE SUMMARY



- 30,092 Km
- 10 Field Trips
- 25 Professional Development Days
- 2 CoRE Resources Challenge
- 1 CoRE Showcase
- 2 CoRE-IGO Graduate Day
- 4 Special Events

- Professional Development/Games
- Special STEM Events/Conferences
- Field Trips
- IGO Graduate Days
- Resources Challenge
- CoRE Showcase

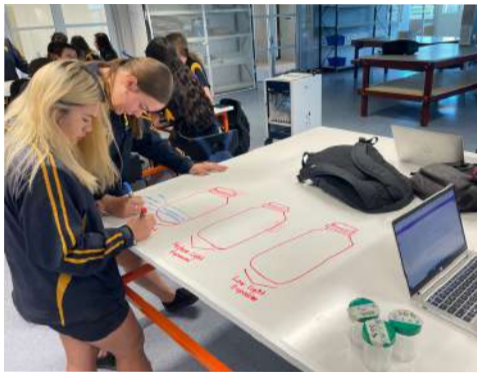
CoRE Learning

Professional development for the CoRE Learning Model (CLM) and Gamifying Earth Science (GES) was featured this quarter. From Hedland in the North-West to Norseman in the South-East, PBL (Project Development), 2024 planning, educator mentoring and CLM delivery in Carnarvon and Trayning to CoRE Exploring with Geraldton SHS, the experiences have been varying and rewarding.

CoRE prides itself in supporting the school's CoRE educator teams in scoping, writing and then supporting the delivery of PBLs, particularly in onboarding. Over the last year, there has significant shift in CoRE staff from the regional schools. However, it is pleasing to see how the re-establishment of the CLM has been progressive and embraced, particularly by new teaching and often graduate staff.

GES implementation is steady. The 'Old as Dirt Game' is in the revamping process, streamlining its performance process. A relaunch of the games is scheduled for the first quarter of 2024.

The games are diverse in their implementation. From a single lesson to complimenting existing learning tasks, they have been successfully employed in this process. Ultimately, however, to use them to create a PBL is their proper depth of teaching-learning and something that was achieved with Australian Christian College - Darling Downs, and their PBL - 'Rusty Rocks.'



CoRE Field Trips

'Merredin Rocks' is a Y5/6 field trip for Merredin College. A visit to Totadgin Rock promotes the significance of the Yilgarn Granites in the Wheatbelt, their weathering and Pegmatites.

Trayning PS experienced their first field trip to Whiteman's Rock. Noted as the first site for gold in the area, it was part of the Goldfields migration trail to Bullfinch in the 1880's, & is the foundation to the PBL.

It is always pretty amazing taking students to Cheela Plains to put their finger on the Great Oxidation Event! The Year 6 Paraburdoo students receive a good experience with the BIFs and volcanics.

The Joseph-Banks Year 8 Kalgoorlie - Kambalda Field Trip was very diverse and brilliantly supported by Leah Lynham. Paleochannels with fossiled trees and marine life to Pillow Basalts; a great field trip to support the 'Golden WA' PBL.

The Nova Minesite visit is always a favourite for the students at Norseman CoRE. This year the students overnighted onsite and received the full FIFO experience. This is their preference and complimented by a detailed mill tour.

The IGO-CoRE Graduate Days also include field trips and in particular allow primary students as young as year 3 experience science in #therealclassroom. It doesn't take much to walk to Lake Cowan to collect gypsum crystals!

CoRE Field Trips

Granites, Kaolin and Sandalwood a field trip for the Beacon students to study this ecosystem at Billiburning Rock. Measuring Orthoclase crystals was fun!

Year 7/8 students from Carnarvon Community College went to the Lake MacLeod Salt Mine. Sitting in the crystallisers taking notes, tasting the salt and studying the coral reef fossils was awesome!

Merredin College Year 10 students experienced the Dryandra Fauna evening, as part of their Katanning-Greenfields Field Trip. Two PBLs connected for this #therealclassroom event.

Merredin College Year 9 students focused on Plate Tectonics, glaciation, greenhouse events and sedimentary basin in the Dongara hinterland. The Yarragadee Geodatic Space Center was a highlight along with the Bindoo Glacial Beds.

The above image describes one of the biggest field trips supported by the CLF. The large campsite comprises tents, swags and a central gazebo supply centre. Twenty-seven students preparing for the day with an introductory 'classroom,' sitting in the centre of the set-up. Writing notes has become mandatory; phones are not enough, although some apps are excellent for image annotation! Upon return from the field, and before dinner, a wrap-up 'classroom' is held; PBL and scientific theory connections are made for presentation in their field trip reports.

CoRE Special Events

The Ashburton School Alliance (ASA) Resources Challenge was rescheduled due to a June 'rainbomb.' Nevertheless, the event succeeded; Jett supported CLF, whilst Sandvik provided judges. The ASA educators are excellent, running the event independently. Once again, students had a fun experience. It is always spoken about!

The ASA CoRE Showcase is a fantastic community event, and each year, it gets bigger. Held in National Science Week, students from the four schools come together to showcase their CoRE PBL learning and the work they have produced. Awards are presented to students demonstrating CoRE values and striving for learning excellence.

The Kent Street CoRE Resources Challenge celebrated its 10th anniversary. Over 180 students from four schools engaged in the carnival-style challenge, which brought together primary and secondary students, UWA students and industry representatives from Perenti and Ramelius as judges. Collier, once again, was the winner!

Being recognised as a finalist for the Premier's Science Award for New Science Initiative was an honour. Although the CLF was not the winner, the recognition is very important to the Foundation in support of it's evolving strategies involving CoRE Schools, the Academy Model and the Gamifying Earth Science Project.

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