



2023



DECEMBER QUARTERLY REPORT



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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

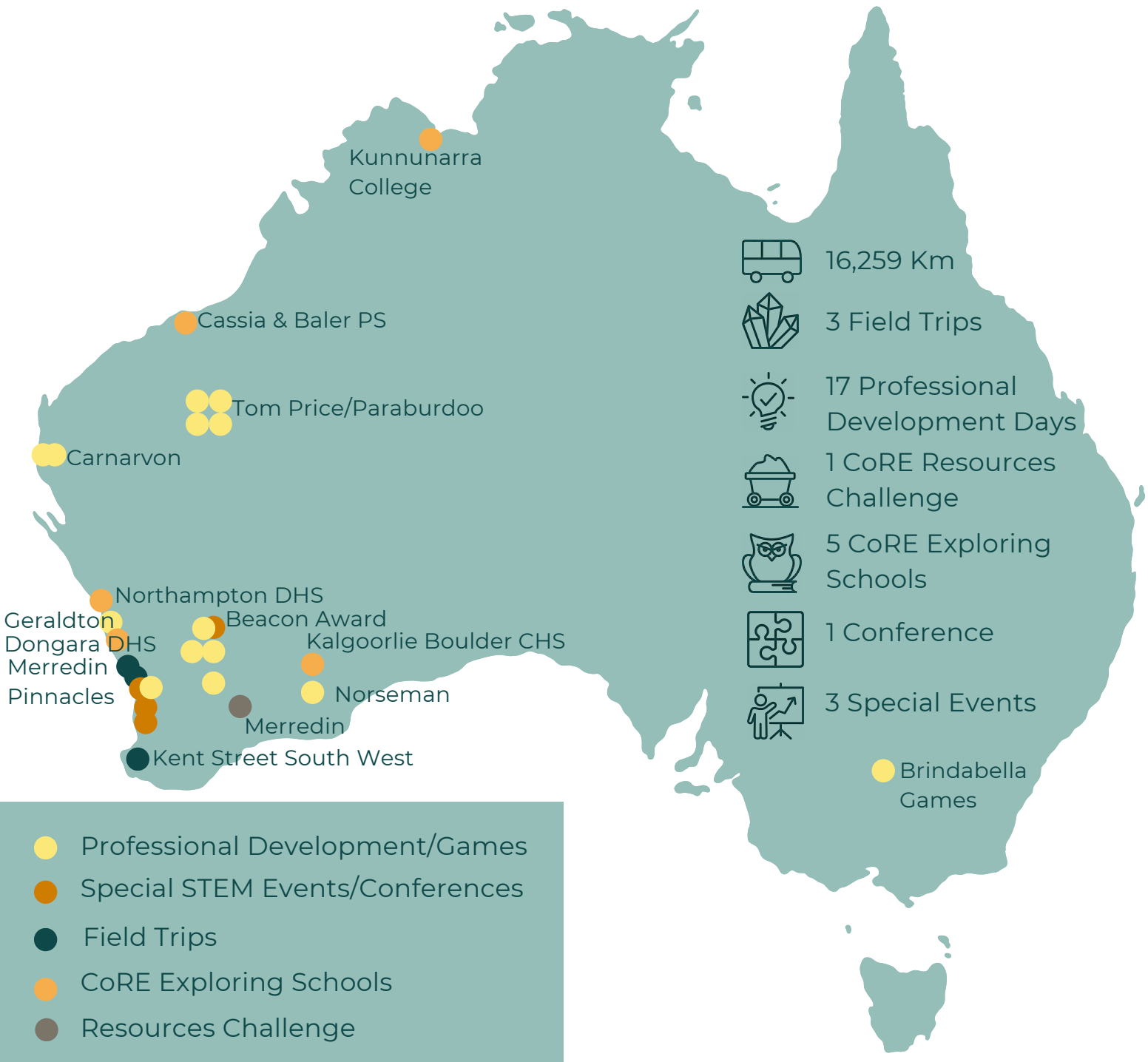
A 5-Year Celebration event that also includes engagement and impact data for CoRE Schools and the Gamifying Earth Science Program and its outcomes - the CoRE Alumni.

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.'



EXECUTIVE SUMMARY



CoRE Learning - The Inaugural Wheatbelt CoRE Resources Challenge

It has been a journey to make this wonderful experience a reality for so many young Wheatbelt students! Thank you to Ramelius Resources for enabling the event and working together with CoRE to 'Futureproof the Workforce!' Around 150 primary school students from Narembeen in the South, Beacon in the North, Muckinbudin in the East and Kellerberrin in the West assembled at Merredin College for the big day. There were nine mine sites, each named after Ramelius' mines in the Wheatbelt and Mid-West or after the rocks that comprise their ore assemblage. The students built an open pit, engaged in a haulage race, transported the ore from the bottom of the pit to the ROM, constructed a highway from the Pit to the Mill, developed a mill and finally obtained a bill of sale for the ore that they retrieved from the ore blocks.

CoRE Alumni - Ryan Wade and Chris Sunley were joined by four UWA Students from the AusIMM Student Chapter and Ramelius employees judging the day. The winner was St Mary's, Merredin from the Edna May Gneiss mine. A special shout-out to **Deb Cartwright**, the Wheatbelt CoRE Coordinator who made a few trips to Perth to ensure that all the equipment and materials were available for the the day.



CoRE Field Trips



'Merredin Pinnacles - The Pinnacles never fail to deliver excellent, interdisciplinary Earth Science education. Always a highlight along the Turquoise Coast, it is an exemplar of so many contexts, including sedimentary processes, Climate Change and paleoenvironments. This Pinnacles Field Trip was a little different. These students have all completed primary CoRE, and their scientific skills, including observations, reading the environment around them, identifying 'different and unusual phenomena', questioning, notetaking and a high level of curiosity, were clearly evident.



The final Kent Street CoRE field trip for 2023 took our Year 9 group down to Greenbushes, Yallingup, Bunbury and Lake Clifton!

Students were immersed in the speleothems of Ngilgi Cave, the tech-grade lithium operation of Talison's Greenbushes mine, and tessellated patterns of the Wyalup Rocky Point basalt and thrombolites of Lake Clifton.

"We learned everything from cave formations and decorations to mine sites and processing to rock identification. This field trip was educational and fun, even the long bus rides with Eminem and Taylor Swift blasting on full volume!"

- Kayla Evans (Year 9 CoRE)

"Live laugh love CoRE"

- Breeahn Herdman (Year 9 CoRE)

CoRE's 5 Year Celebration

Having our sponsors, partners, CoRE educators, and Board and CMC members attend our five-year anniversary celebrations was wonderful. We are so proud of what we have achieved and do acknowledge we have thrived despite the effects of Covid.

Our community is wide and diverse. The school is the heart of a community, and the success that we have been able to establish has been through the support of our sponsors, supporting us to realise our mission *'to support educators to transform education through progressive teaching and real-world learning and to broaden the opportunities for all students to succeed in STEM careers which are aligned with the needs of industries and economies of the future.'*

Our delivery of the CoRE Learning Model and Gamifying Earth Science Initiative has enabled us to connect industry with education through learning activities such as field trips, mine visits, our unique CoRE-Industry Graduate Programs, Resource Challenges and CoRE Showcases. This combination puts learning into context, making it relevant and purposeful to students, therefore engaging and meaningful.

Our secret lies in the professional development of educators so they can empower their students through our PBLs (Project Based Learning), providing STEM Learning utilising a STEAM Curriculum Framework. CoRE Learning is a curriculum



CoRE's 5 Year Celebration

delivery teaching-learning strategy that is founded on STEM skills. Our games are also a derivative of our learning model and a transformative curriculum development tool that has the adaptability of a single lesson to full-term planning and delivery capability.


Listed below is a summary of CoRE's engagement and impact, represented by the work and learning undertaken with schools and their educators, students, community and industry representatives.

 Worked alongside 82 passionate teachers

 704 days in teaching professional learning

 83 immersive field trips with students

 21 schools, 40 educators, 1086 students in WA

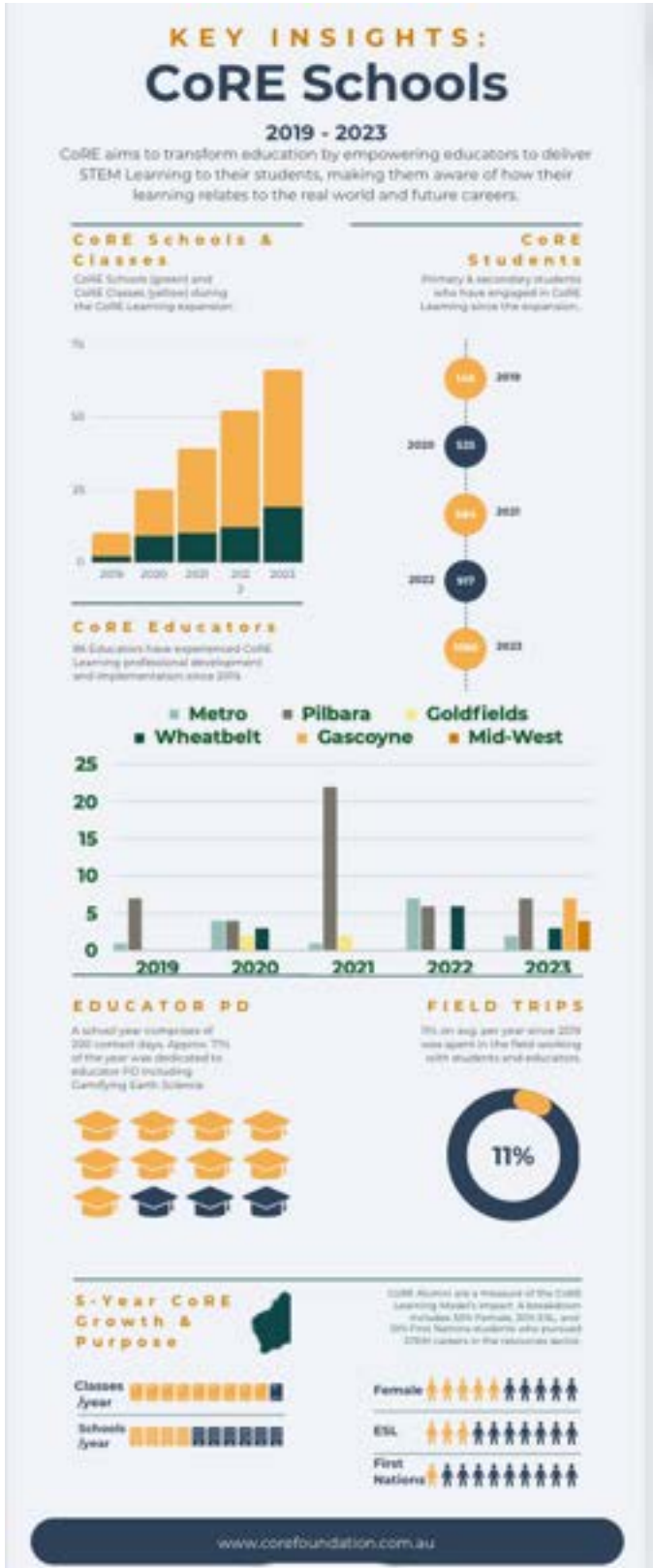
Extended CoRE's reach to 69 schools, involving 3465 students through the  Gamifying Earth Science (GES) initiative across Australia

 First CoRE Alumni to graduate outside of the original lighthouse school - Kent St

CoRE has successfully developed relationships with schools and their educators to grow and evolve the learning model to replicate the talent pipeline and future-proof the workforce as developed and substantiated at the lighthouse school - Kent Street.



CoRE Learning - Engagement and Impact 2019 - 2023



CoRE Learning - Engagement and Impact 2019 - 2023



69

Schools nationally

139

Classes nationally

EDUCATORS:

110

Have been mentored in games for the purpose of implementation in the classroom.

GAME DEVELOPMENT:

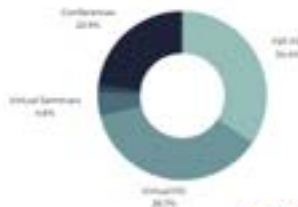
300 hrs

On-line conversations with game developers to improve user experiences.



3465 STUDENTS

Exposed to games to improve Earth Science and STEM Resources Careers awareness.



EDUCATOR SUPPORT

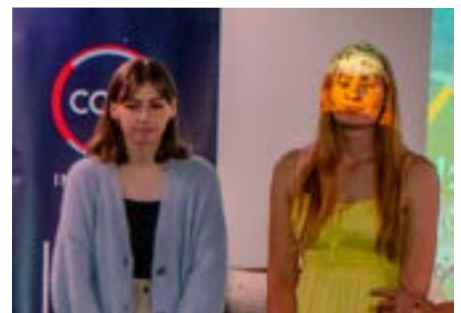
Educators gain confidence in game support and implementation through PD sessions and workshop attendance, totaling 440 hours.

CoRE's Mission

To support educators to transform education through progressive teaching and real-world learning and to broaden the opportunities for all students to succeed in STEM careers which are aligned with the needs of industries and economies of the future.



CoRE Alumni - Future Proofing the Workforce



Holly - CoRE Alumni 2023-
Tom Price Senior High
School



The Kent Street CoRE Alumni Graduating Class 2023



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INNOVATION HUB





**GOT QUESTIONS?
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