

JUNE QUARTERLY REPORT

2026



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A summary of CoRE Learning Model, Pit to Pixel and CoRE Games professional development and learning experiences

02 CoRE Engagement & Impact

CoRE supports the implementation of the CoRE Learning Model, Pit to Pixel and CoRE Games through dominantly face-to-face mentoring, training and coaching. The support mechanisms that are in place provide educators with ease of access to CoRE's expertise.

03 CoRE Highlights & Events

Thanks to the generous support of our sponsors and partners, these highlights showcase the transformative impact of authentic learning experiences, celebrating student achievement, educator capability and the growing recognition of the CoRE Learning Foundation across Western Australia.

04 CoRE Schools & CoRE Learning Model

Across the quarter, CoRE Schools continued to embed Project-Based Learning into classrooms across metropolitan and regional Western Australia. Students investigated sustainability, agriculture, geology, weather systems, palaeontology, critical minerals and advanced manufacturing while developing communication, collaboration and problem-solving capabilities.

05 CoRE Sponsors & Partners

Every classroom visited, every educator supported, and every student inspired is made possible through the generosity of our sponsors and partners. Together we are building a generation of young Australians equipped with the curiosity, confidence and capability to shape the future.



Inaugural Pit to Pixel Town Hall - A true collaboration of Education and Industry

Summary

The June quarter of 2026 was defined by consistent operational progress and the successful alignment of our core strategic initiatives.



19 CoRE Schools Visited



43 CoRE Schools Professional Development Days



56 CoRE Educators Professionally Developed



65 CoRE Educator Collaborations



19 CoRE Classroom visits



839 CoRE Student Experiences



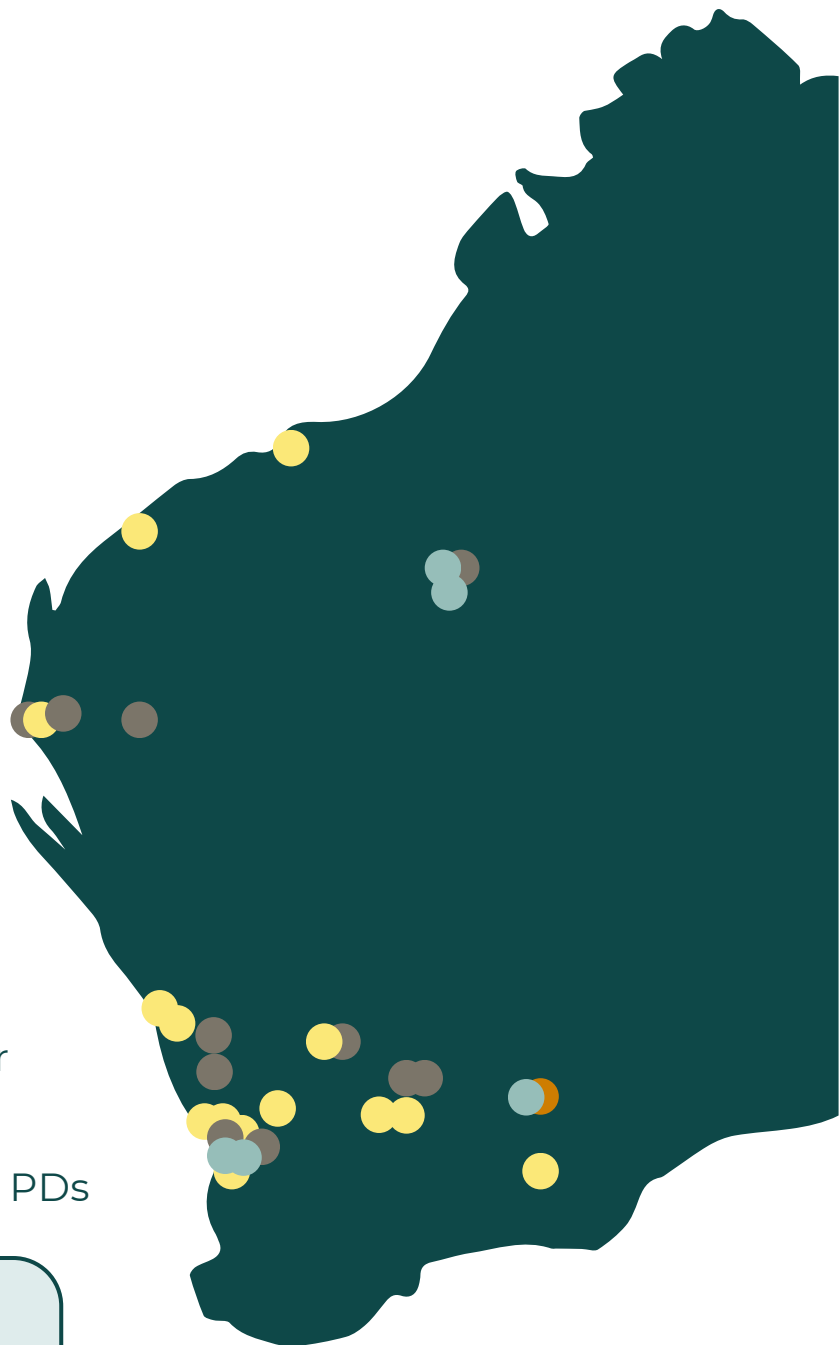
13 Field Trips



21 Pit to Pixel Educator Correspondences



4 Pit to Pixel Educator PDs



- Professional Development
- Games PD & Workshops, Pit to Pixel
- Field Trips
- School Special Events
- Conferences

Summary

19

CoRE Schools Visits

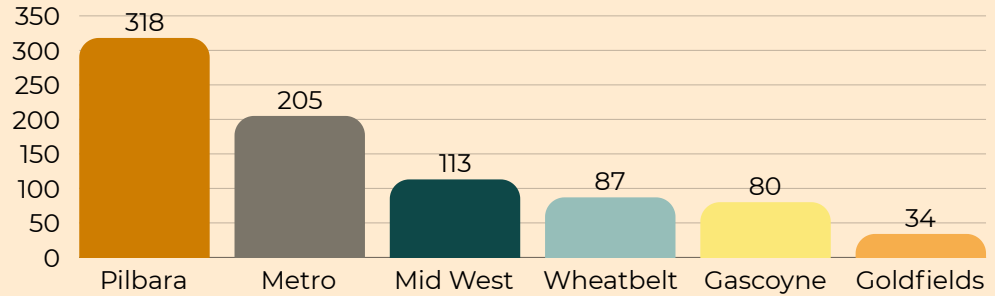
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Professional
Development Days

19

CoRE Classroom Visits

CoRE Student Experiences per Region



"The Governor WA was interested in how the CoRE Learning Model will continue next year in Science in Practice. Expanding our learning beyond your home region and exploring new environments and career pathways."

Alexis G, CoRE Student

"We're busy...getting organised for our first field trip. Both staff and students are incredibly excited to begin the new inquiry and look forward to the hands-on learning opportunities it will provide. We can't wait to share more as the project progresses!"

Nicole McKiernan, CoRE Educator

Quarter Highlights and Special Events



CoRE industry volunteer runs a field trip

CoRE collaborated with Ron Colman, from partner AGC, to run Bullsbrook College's Yanchep field trip.
[Read the full story...](#)



Pit to Pixel: Town Hall CoRE x WAMC

Pit to Pixel's first ever Town Hall event was successfully delivered, in partnership with the WA Mining Club.
[Read the full story...](#)



CoRE Games Minecraft RRR Kalgoorlie Exhibition

CoRE launched its first Minecraft RRR Exhibition with students from Kalgoorlie PEAC & St Mary's.
[Read the full story...](#)

CoRE Engagement & Impact

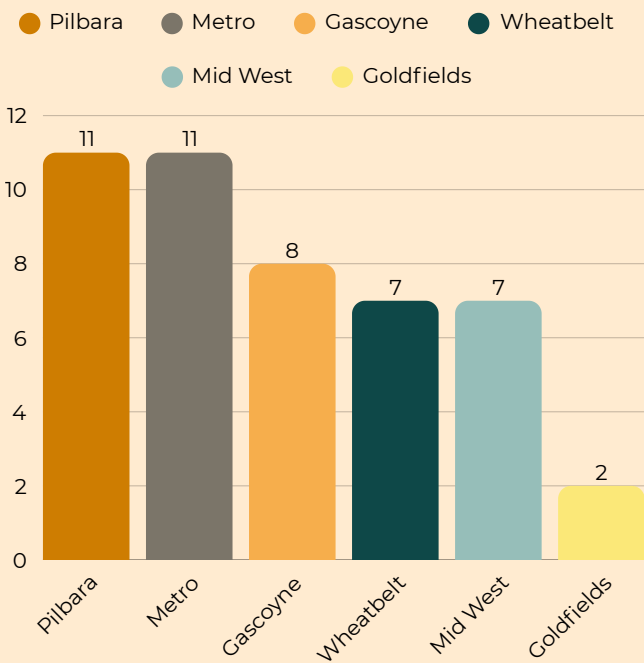


CoRE Engagement & Impact

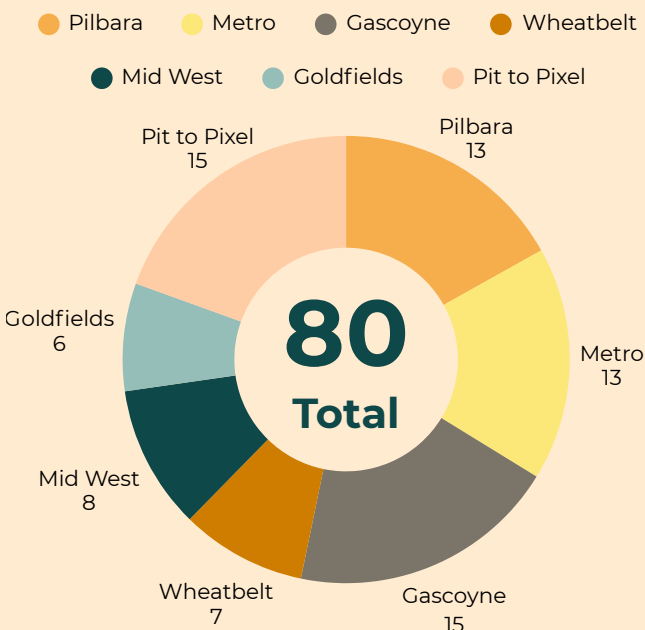
Building educator capability remains one of the Foundation's highest leverage investments. During the quarter, educators were supported through professional learning, in-class coaching and collaborative planning, enabling authentic implementation of the CoRE Learning Model across multiple year levels and curriculum areas. This quarter, 44 educators were professionally developed.



Educator PD Days Per Region



Educator Collaborations per Region & Program



CoRE Engagement & Impact

Growing Student Capability Through Sustained School Engagement

During this quarter, the CoRE Learning Foundation strengthened its presence across CoRE Schools through classroom coaching, professional learning, field investigations, project-based learning, and ongoing educator collaboration. This sustained engagement ensures the CoRE Learning Model continues to evolve within each school context, building educator capability while enabling students to progressively develop the enterprising, scientific and future-ready skills required for success in the modern workforce. The Foundation's regular presence in schools provides a measurable indicator of impact, demonstrating that meaningful educational transformation is achieved through long-term partnerships rather than one-off programs.



47

presented at the Pit to Pixel Town Hall Presentation



90

engaged with Rio Tinto volunteers at the Pilbara CoRE Academy



150

acted as miners in the Pilbara CoRE Resource Challenge



310

explored real world learning through a field trip



190

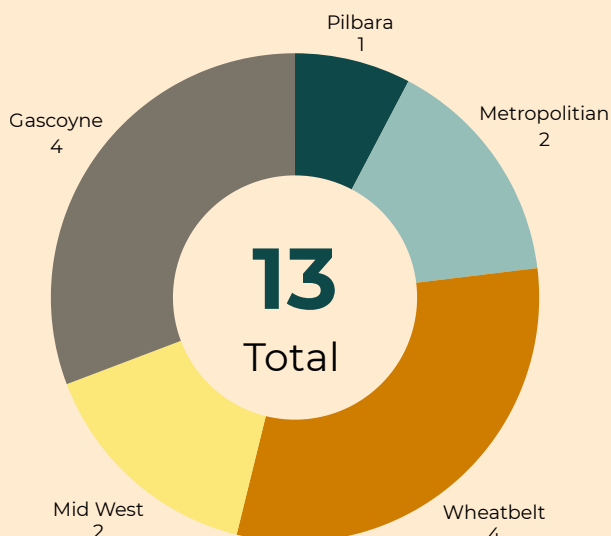
students were involved in CoRE School events



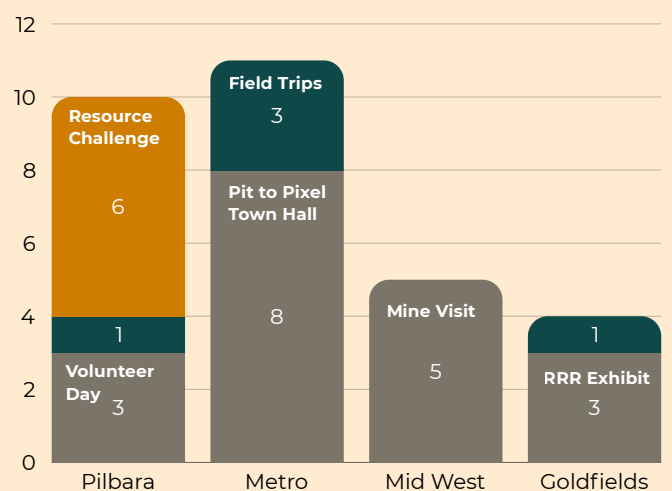
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showcased their RRR mine site creation to parents & industry

Field Trips Per Region



Volunteer Engagement Per Region



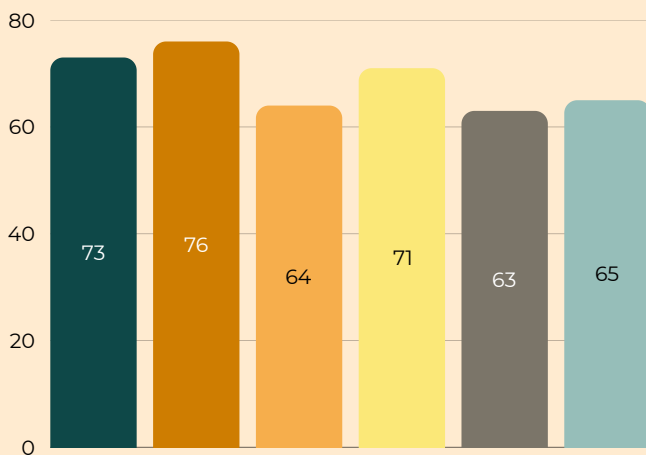
CoRE Engagement & Impact

Growing Student Capability Through Pit to Pixel

Upon completion of our new programs' pilot phase, the students' feedback was positive, noting improvements in both their enterprising and technical skills.

Student improvement over the Semester (%)

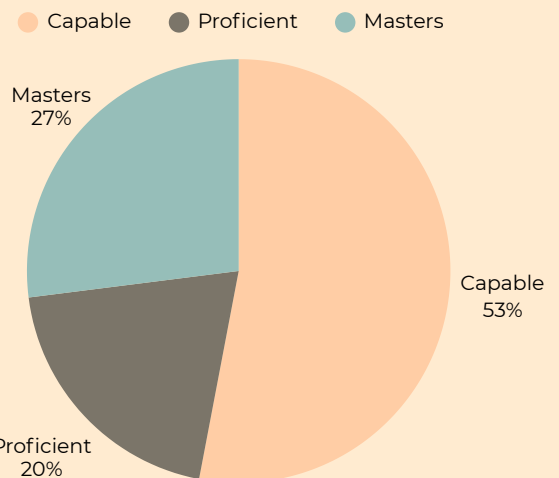
- Using spreadsheets to organise and visualise data
- Confidence in recognising patterns in data rose to
- Stronger capability in evaluating solutions
- Improving designs based on feedback
- Interviewing industry professionals
- Understanding user experience (UX) principles for dash...



60% Said

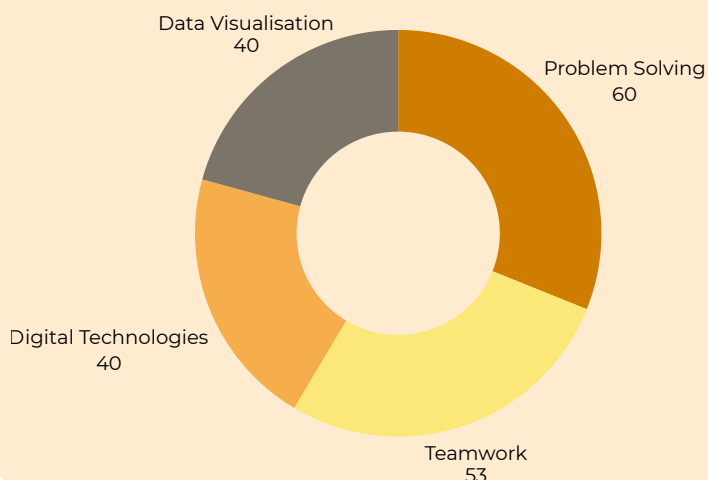
the program is "very good" or "pretty cool"

Digital Capability Results



Students' Improved Skills

- Problem Solving
- Teamwork
- Digital Technologies
- Data Visualisation



67% of students reported understanding how technology is used in modern mining operations, representing a significant improvement over the baseline, where students reported virtually no prior knowledge of the industry.

CoRE Highlights & Events



CoRE Highlights & Events

Field Trip Highlights

Our CoRE classes went on some amazing immersive field trips this quarter.

Datjoin Rock-Beacon - Beacon PS Years 3-6

For Beacon Primary and their PBL - *Bouncing Around Beacon - The Beacon Earthquake Swarm and its futuristic Kaolin Mine*, the students went to Datjoin Rock to investigate and explore the effects of weathering, both physical and chemical, in addition to the effects of earthquakes on rocks such as granite.



The Gascoyne River - Carnarvon Christian School Year 2 - 4

Students ventured through the waters of the Gascoyne River for their Flooding Gascoyne PBL, using real-world examples of erosion, they could critically analyse the different shapes and forms that the river produced as a result of the flooding that had happened weeks earlier, as a result of the rains from Cyclone Narelle.

Ellendale Pool - Geraldton SHS Year 7

For their Great Greenough PBL, environmental science ventured to this waterhole. The students measured the temperature, turbidity, pH, nitrate and nitrite for three different sites along the river, described their location and composition. These results will be analysed through the investigation report. A great interdisciplinary approach.



Karijini National Park - Tom Price SHS Year 7

At Dales Gorge, students investigated how the rocks formed over 2.5 billion years ago through oxidation processes and examined how the gorge itself has been carved over time through physical weathering. This deep-time perspective provided a powerful foundation for understanding the dynamic Earth systems shaping the Pilbara.

Rocky Pool on the Gascoyne River - Carnarvon Christian School Year 5 & 6

The Year 5 & 6 students headed to Rocky Pool on the Gascoyne in search of Cretaceous fossils as part of their Attack of the Asteroids PBL. Water from Cyclone Narelle filled the river, and the students extended their learning to understand the physics of water flow.



CoRE Highlights & Events

Field Trip Highlights

Our CoRE classes went on some amazing immersive field trips this quarter.

Iluka's Eneabba Refinery - Geraldton SHS Year 9

It was a very cold day when the Year 9 Geraldton CoRE students, along with Iluka representatives, visited the Eneabba Rare Earth Refinery, its Wind Turbine Renewable energy system and had a go at separating heavy mineral sands. This authentic experience heralds the importance of bridging education with industry so students can see their journey ahead.



Lake Campion - Merreden PS Year 5 & 6

For their *Too Salty* PBL - the three upper primary classes headed out to Eaglestone Rock and Lake Campion to understand the effects of salt weathering on granite and gneiss and the formation of these characteristic lakes across the Wheatbelt and their effects on the ecosystem. The students enjoyed walking on the salt lakes; the crunching sound was satisfying and very therapeutic for them.



Yanchep Cave - Bullsbrook College Year 8

Our Year 8 Core class ventured to Yanchep Caves to learn about the fascinating chemistry behind limestone cave formation. Students discovered how thousands of years of erosion and acidic rainwater have shaped the stunning cave systems, creating impressive stalactites and stalagmites within the Crystal Cave.



Pelican Point, Carnarvon - Carnarvon Christian School Pre-primary - Year 1

The Pre-Primary and Year 1 students went to Pelican Point for their Whirly Weather PBL. Watching those handmade anemometers was pretty funny, as were the students as they chased them across the beach. Learning real science at this age is the beginning of developing critical thinking and problem-solving skills, developed through play and science.

Mundaring Weir - Australian Christian College Year 7

ACC students ventured to Mundaring Weir to learn and understand the economic impact the CY O'Connor water pipeline had on the development of Western Australia's Goldfields, its mining industry, development and growth. The field trip was a great example of interdisciplinary learning, integrating scientific principles and a world-changing engineering feat.



CoRE Highlights & Events

Event Highlights

We had some incredible events this quarter

RRR Minecraft Exhibition - Kalgoorlie

Hosted at St Mary's Primary School, the inaugural CoRE Resource! Respond! Rescue! (RRR) Exhibition showcased STEM innovation by bringing together Kalgoorlie PEAC students and St Mary's IMAGINEers. Supported by the CoRE Learning Foundation, Year 5 and 6 students worked in cross-functional teams to design and defend Kalgoorlie-inspired gold mines within Minecraft Education. Inspired by recent local tremors, students integrated complex engineering and disaster mitigation strategies to protect their sites from earthquakes, floods, and bushfires. The advanced project-based learning even saw primary students exploring Year 11 chemistry concepts. Exceptional guidance from educators Sharon O'Reilly and Samantha Jones was instrumental in the event's outstanding success.



Pilbara CoRE Resources Challenge - Tom Price Senior High School



Students from Tom Price Primary and North Tom Price Primary came to Tom Price Senior High School recently and acted as "miners" during the seventh annual Pilbara CoRE Academy Resources Challenge. Working in structured teams, students simulated the real-world resources sector by building their very own open-pit mines and railway systems. Industry experts from Rio Tinto served as judges, highly praising the creative, out-of-the-box problem-solving demonstrated by the student teams. Coordinated flawlessly by CoRE educators Kat and Zane, this immersive event successfully bridged the gap between the classroom and regional STEM pathways.

The CoRE Learning Model in CoRE Schools



CoRE Schools

Geraldton Senior High School

"Our Year 9 APEX students are stepping into the roles of documentary filmmakers and professional podcasters! They are currently researching and exploring a major economic shift: the return of processing and manufacturing to Australia. These student-directed projects are supported by teacher and expert advice, encouraging our cohorts to become independent, deeply curious learners.

Drawing on firsthand insights from their recent visit to Iluka's Eneabba operations at the beginning of the term, as well as their previous trip to the Iluka Narngulu Refinery in Year 8, the students are investigating how value-adding industries could create exciting career pathways right here in the Mid West. From critical minerals to advanced manufacturing, they are actively interviewing key stakeholders—including Iluka staff, geologists, local politicians, Aboriginal leaders, and environmentalists.

This project, titled "Critically Electrified," was developed in partnership with the CoRE Learning Foundation. Through it, students

are strengthening their literacy skills as they conduct research, draft engaging scripts, and learn to communicate complex ideas to a broader audience. Simultaneously, they are building vital digital technology skills by learning to operate our brand-new recording studio, handle Canon cameras, and master professional podcasting and audio recording equipment to bring their stories to life.

By combining industry knowledge, creative storytelling, and cutting-edge technology, our students are discovering that the future of the Mid West isn't just something to learn about, it's an industry they can actively shape and join. We can't wait to share their finished documentaries and podcasts with you soon!"

Courtney Evans, CoRE Educator



The WA Governor visits Geraldton SHS CoRE

The Governor's visit to Geraldton Senior High School highlighted the growing recognition of the CoRE Learning Model, with students confidently showcasing authentic projects, field experiences and future pathways while discussing the introduction of CoRE Science in Practice in 2027.



CoRE Schools

Joseph Banks Secondary College

"The students at JBSC have been completing their PBLs, with the 7's completing their water table storyboards and preparing for their town hall presentations.

The 8's have presented their townhalls, providing information on the geological timescale board games they had created to identify significant events throughout the time periods and highlighting the importance of the stromatolites on the Great Oxidation Event in infographic form. They summarised their findings from the rust investigation, which saw the students selecting their independent variable from a range of different ocean environment factors to determine the impact on the rate of rusting.

The 9's have presented their townhalls, providing information on the depth of the ocean, including the organisms that can be found depending on the abiotic factors present at the given depth zones. They presented their investigation findings on the rising CO₂ present in the atmosphere and the impact that this is having on lowering the ocean pH and the subsequent impact this is having on the marine life sampled by their remotely operated vehicle."

Zack Maley, CoRE Educator

Tom Price Primary

Dinosaur Legacy - Making a Dinosaur Mega tracksite

"During June, our Year 5/6 students combined science, creativity and teamwork in an exciting hands-on project. Using plaster of Paris, students created moulds of their own footprints simulating realistic dinosaur footprints before transforming them into a unique artwork that will be proudly displayed at next term's CoRE Showcase.

It was fantastic to see students from both Year 5/6 classes collaborating to create one large communal display. Throughout the project, students demonstrated creativity, problem-solving and excellent teamwork, supporting one another as they brought their ideas to life.

We look forward to sharing the finished display with our school community at next term's CoRE Showcase."

Elijah Tilbee, CoRE Educator



CoRE Schools & CoRE Learning Model

Carnarvon Christian School

Year 2-3

This term in Science and Technologies, students have engaged in integrated learning experiences that combine elements of Science and Design and Technologies. The term commenced with the introduction of Business Units, where students collaboratively developed a business name, logo, and motto. This task fostered creativity, teamwork, and an understanding of basic entrepreneurial concepts.

In Science, students investigated Earth's resources and explored how these are used to meet the needs of communities. Through discussions and inquiry-based learning, students identified the relationship between

natural resources, products, and services. This understanding was applied in Design and Technologies, where students examined real-world challenges and considered how design solutions can address community needs. As a result, the class has initiated a "Flooding Prevention Project," which is highly relevant in the context of recent weather events, including Cyclones Mitchell and Narelle.

This project involves a guided investigation into how flooding occurs and how natural and designed solutions can help mitigate its effects. The learning will extend into the next unit on weathering and erosion, where students will continue to develop and apply their problem-solving and design-thinking skills.

Sarah Collado, CoRE Educator

Pre-primary - Year 1

Pre-primary students at Carnarvon Christian School are building their wonderings and knowledge about the weather in our local area. Students had a fantastic time exploring the idea of different weather in different places around the world. This tied in nicely to our learning about Harmony Day. We explored hot and cold climates through a range of play-based activities and the impact of weather on animals as well as people. Students were highly engaged in learning about what animals need to survive different weather and climates. Students choose an animal to create.

They then followed the design process to plan for their design, and then created an animal out of pipe cleaners and then created a home or shelter for their animal. Students are looking forward to their upcoming field trip to Pelican Point, where we will get to have hands-on experience measuring wind and investigating weather in our local climate.

Sophie Garing, CoRE Educator



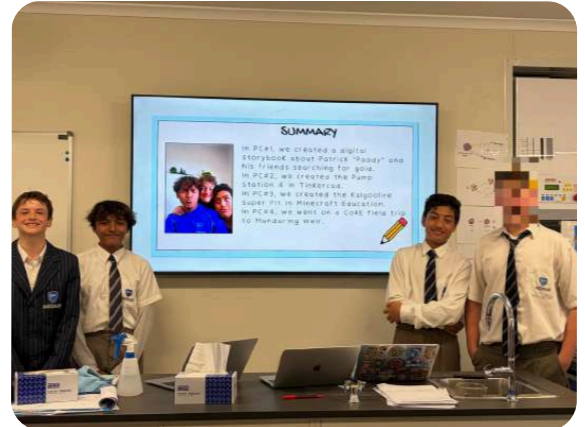
CoRE Schools

Australian Christian College

"The Year 7s constructed 3D models of pumping stations from the historic Mundaring-to-Kalgoorlie pipeline. They applied practical math skills to scale the structures accurately within the surrounding landscape. Working seamlessly shoulder-to-shoulder, the BU teams collaborated to bring their shared vision to life, making the final presentation a proud moment for the class.

Year 8 students designed hydrogen-powered tractors using Tinkercad's 3D modelling platform. By combining their creativity and technical strengths, the teams transformed abstract concepts into functional digital prototypes. Merging these parts into a single, cohesive model engineered an eco-friendly agricultural machine while demonstrating the power of teamwork and collective intelligence".

Michelle Lastrilla, CoRE Educator



Wickham Primary School

"This term, we wrapped up our PBL inquiry, 'Is Wickham Heading for a Cyclone?' Students completed their investigations by creating informative posters that showcased their research, data analysis, and conclusions. Many students also took part in a Weather Reporter extension activity, where they worked in pairs to script and record their own weather reports. They thoroughly enjoyed the opportunity to present their findings creatively.

We're also busy preparing for next term's PBL, 'Turnin' Tumblin' Tides,' and getting organised for our first field trip. Both staff and students are incredibly excited to begin the new inquiry and look forward to the hands-on learning opportunities it will provide. We can't wait to share more as the project progresses!"

Nicole McKiernan, CoRE Educator



CoRE Schools

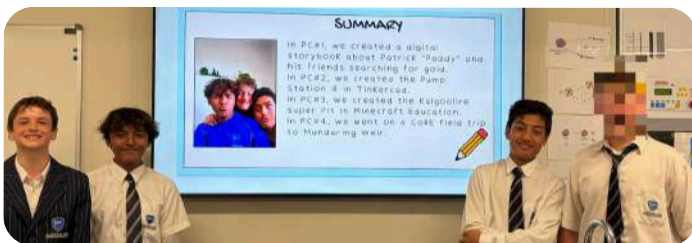
A Deep Dive into the CoRE Learning Model

Australian Christian College: Michelle Lastrilla, CoRE Educator

We officially wrapped up Semester 1 with our showcase Town Hall presentations, celebrating the incredible work of all the Business Units (BUs) across our Year 7 and 8 classes.

Each member of the BU took the stage to present an overview of their individual Project Component (PC), highlighting their key learning milestones, the challenges they faced, and the strategies they used to overcome them

This term, our cohorts dove into two fascinating Project-Based Learning (PBL) themes:



Year 7: Focused on the rich history and opportunities of Golden, WA.



Year 8: Explored global sustainability with Feeding the Future.

Innovation and Deep Learning in Action

The sheer variety of skills on display was incredibly impressive. Students tapped into their creative storytelling skills to write and design original storybooks, utilised Tinkercad for 3D modelling, and coded intricate redstone mechanisms within Minecraft.

Our Year 8 students confidently explained the complexities of the Haber-Bosch process in producing ammonia, linking it directly to the vital importance of sustainable farming practices.

Overcoming Challenges Through Teamwork

Beyond the academic and technical content, a major takeaway from the presentations was the growth in our students' soft skills. They spoke candidly about learning to collaborate effectively, building trust within their teams, and taking proactive ownership of their respective PCs.

Problem-solving was a recurring theme. When faced with real-world technical hurdles, such as school internet lagging when everyone accessed Tinkercad simultaneously, or troubleshooting connection issues within a shared Minecraft world, the students did not give up. Instead, they adapted by dynamically planning their work schedules and getting creative with how they distributed their workloads.

We are incredibly proud of the resilience and ingenuity our students displayed this term. We already look forward to next semester's PBL projects and anticipate even deeper learning!

Soft Skills Improved



CoRE Schools

A Deep Dive into the CoRE Learning Model

Tom Price Senior High School: Kathleen Booth, CoRE Educator

We are looking forward to sharing the outcomes of our Lower School projects as students bring their ideas to life across the term.

These projects will be complemented by upcoming fieldwork experiences, including the Year 8 visit to the Tom Price Mine, and key events such as the Pilbara Resources Challenge delivered in partnership with the CoRE Learning Foundation.”



Year 7 - Karijini Engineers:
From Gorges to Innovation



Year 8 - Powering the
Pilbara: Energy in Mining



Year 9 - Biotechnology:
Manipulating light and
sound



Year 10 - Humanity 2.1:
Physics of Exoplanet
Colonisation

Geology Driving Design at Karijini National Park

Students examined the differences in rock mechanics between the Dales Gorge Member and the Joffre Member, developing an understanding of how these variations impact erosion, structural integrity, and stability. This learning will now be applied within each business unit as students develop their current engineering challenge—designing a cable cart system using only simple machines. Their solutions are informed by real geological conditions, driving practical, thoughtful, and innovative design.

Nature Inspiring Creativity

Beyond the science, students explored the rich textures, colours, and patterns within the gorge. The unique layering and weathering features have inspired creative design elements and will allow students to integrate the natural aesthetics of Karijini into their project outcomes.

Sustainability in Practice

While in the field, students investigated the living and non-living components of the ecosystem, identifying key biotic and abiotic features. This learning will guide their approach to sustainable design, ensuring their cable cart solutions are mindful of environmental impact.

Learning from Experience

A highlight of the trip was the opportunity to learn from Ranger Michelle, who shared her career journey and the important work park rangers do to protect both the environment and the cultural heritage of the area. This experience reinforced for students the importance of respecting and preserving places of deep significance.



CoRE Sponsors & Partners



CoRE Sponsors & Partners

Pit to Pixel Town Hall

The inaugural Pit to Pixel Town Hall brought together students from St Norbert College and John Tonkin College to present their data dashboards to a panel of WA Mining Club industry professionals. Students confidently defended their solutions, responded to real-time questions from the industry 'Board', and demonstrated authentic workplace communication, systems thinking, problem-solving, and decision-making.

The Town Hall provided a powerful example of authentic assessment, with students applying classroom learning to real-world industry challenges in front of an expert audience. It celebrated not only innovative solutions, but also the confidence and growth students developed throughout the semester.

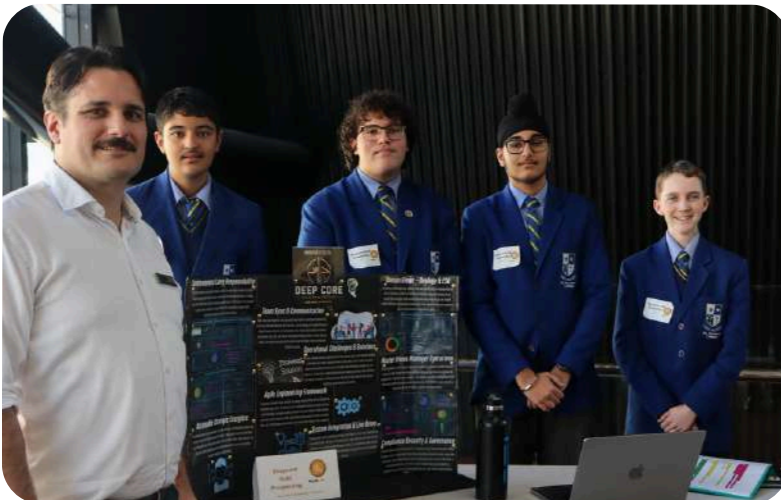
Congratulations to FRATA and Deepcore Gold Prospecting, who were recognised as the Semester 1 champions. Their success reflected the strength of their mine site proposals and their resilience, collaboration, and ability to thoughtfully respond to industry feedback.

"Probably the best part of the program was how everyone in our groups had a role and came together in the end to present their work."

Pit to Pixel Student

"Actually being able to present to professional managers and industry designers has to be the best part of this whole program."

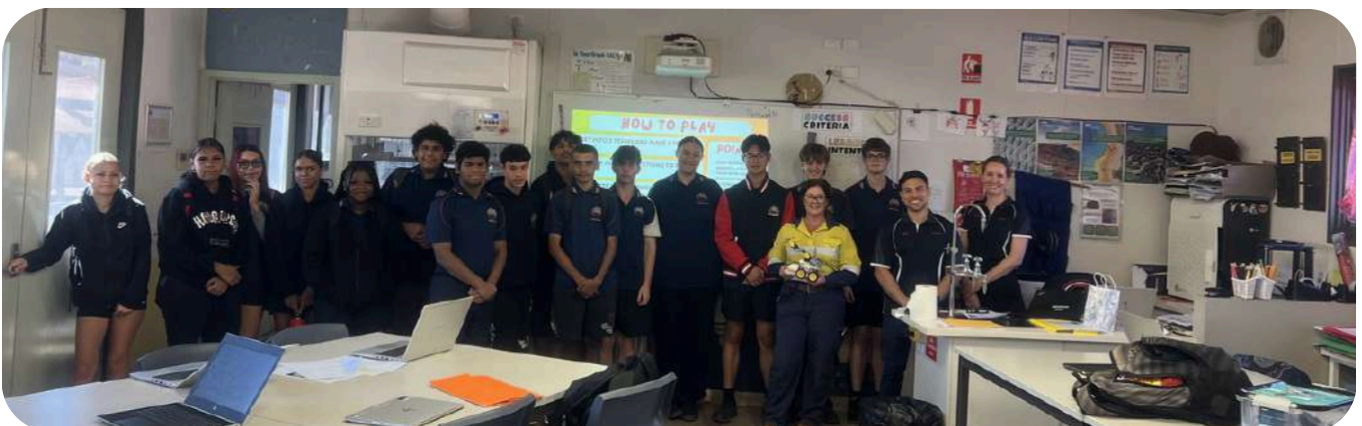
Pit to Pixel Student



CoRE Sponsors & Partners

Pilbara CoRE Academy Volunteer Day with Rio Tinto

Rio Tinto volunteers visited Tom Price Senior High School to attend the second volunteer day. The volunteers were treated to an array of CoRE Learning, including the Year 12 Town Hall Presentation.



CoRE Sponsors & Partners

Geraldton Senior High School visits Iluka Resources

Year 9 Geraldton CoRE students teamed up with Iluka Resources representatives for a hands-on site visit to the Eneabba Rare Earth Refinery. The students toured the facility's wind turbine renewable energy system to learn how modern operations are powered sustainably. The highlight of the trip was a practical session where students rolled up their sleeves to try separating heavy mineral sands firsthand, bridging classroom science with real-world industry practices.



CoRE Sponsors and Partners



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In-kind Partners





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