CROSSRIVERRAIL

EDUCATION PROGRAM

The Cross River Rail project provides opportunities for learning experiences **linked to Australian Curriculum learning areas**, as well as supporting the sustainability cross-curriculum priority and multiple general capabilities.

Build the ideal excursion for your students from a diverse range of engaging and hands-on learning experiences.

Activity	Summary	Suitability	Curriculum learning areas
Biggest Building Battle	By comparing the length of the new underground Albert St station to local landmark buildings, students engage with the significant engineering on Cross River Rail. Students will apply a design process, to generate innovative ideas, design and build a model tall building.	Years 3+	• Design and Technologies
Build a Bridge	Students are introduced to some of the Cross River Rail bridges as well as globally recognised bridges and the most common bridge designs. Students will apply a design process to generate innovative ideas, design and build a model bridge.	Years 4+ (Prep+ alternative available)	• Design and Technologies
Design for Accessibility	Through a detailed examination of a case study incorporating a range of hands-on and audio-visual materials, students will gain an understanding of technological solutions to accessibility challenges, and the positive impacts for society.	Years 5 to 9	• Design and Technologies
Super Signalling System	Upgrading South-East Queensland's railway signalling system is an important part of the Cross River Rail Project. This activity is based on a booklet that explains the basics of the new European Train Control System (ETCS), demonstrating how technologies can solve problems and contribute to society.	Years 5 to 10	• Digital Technologies
Albert Street Transformation	As the first new train station in Brisbane's CBD in more than 120 years comes to life, how will this transform Albert Street, creating a city for the future? Urban change, human-centred design, liveability and transport planning are considered through the lens of the transformation of Albert Street.	Years 5 to 9	• Design and Technologies • HASS • Geography
Architects at Work	Inspired by our subtropical climate, the four new Cross River Rail underground stations are quintessentially Queensland places that will provide a world-class travel experience. Students consider factors that influenced the design of the stations and how they meet community needs for a sustainable future.	Years: 3 to 10	• HASS • Geography • Design and Technologies
Early years	Through a range of hands-on, written and visual resources, students explore concepts of places, continuity and change, and maps as well as people meeting needs in the community.	Prep to Year 2	• HASS • Design and Technologies
Future Traveller Passport	This generalist inquiry-based activity offers a range of diverse, interactive challenges applying the context of Cross River Rail to history and design challenges.	Years 5 to 9	• Design and Technologies • HASS • Geography
Archaeology Field Book	Building Brisbane's new underground meant digging deep at locations around the city. During excavation, demolition and rubble removal, we uncovered artefacts that provide insights into life in Brisbane at the turn of the 20th century. Students gather information about these artefacts and archaeological processes, and consider historical interpretations.	Years 5 to 8	• HASS • History
Engineers Workshop	With a focus on measurement and geometry, students will explore several technical challenges on the project, including learning about the cross sections of the mined tunnels, why they are important and the alignment of the tunnel. Presented by a Tunnels Stations and Development (TSD) Area Engineer.	Years 9 to 10	• Maths
Investigator Manual	Tunnelling is a significant component of the Cross River Rail project. By locating information about tunnelling, students' vocabulary and comprehension are enhanced.	Years 5 to 7	

REALITY THEATRE

These immersive videos enhance the learning activities and support deeper engagement with the project. They can be viewed independently or facilitated.

Video	Summary
1819 Welcome Dance Video.	Be transported to virtual Maiwar in 1819 and witness our First Nations people and their environment.
In the driver's seat	Put yourself in the driver's seat as the train pulls out from the new underground Albert Street station.
Project fly through	Fly over Brisbane as the Cross River Rail project unfolds below.
Station walk through	Make your way through the new underground stations from Albert Street to Woolloongabba.
Time Hop	Travel in time examining the changing streetscapes and transport modes of Brisbane.
The Science of Tunnelling	The history of the Queensland railway and the future of Brisbane's transport network with a second river crossing.
Tunnel vision	Find out how to conquer one of the most complex civil engineering challenges: digging and building a man-made tunnel.

Contact us:
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Scan the QR code to find out more about the education program

Find out more at **crossriverrailexperiencecentre.qld.gov.au**

CROSSRIVERRAIL EXPERIENCE CENTRE

IN PARTNERSHIP WITH QUEENSLAND MUSEUM

Queensland Government