

Gold Coast Light Rail Stage 3
Broadbeach to Burleigh Heads



Science Tram for primary schools

Be a safety superhero!

Overview

Stage 3 of the new light rail on the Gold Coast enhances connectivity, safety, and accessibility, for the more than 6,400 students attending schools within 2km of the new route. Gold Coast students will have the chance to gain unique insights into Light Rail Stage 3, while construction of this major transport project is still underway from Broadbeach to Burleigh Heads.

Discover innovative teaching resources and activities designed to make science, safety and jobs in construction engaging and accessible for all students. The Stage 3 Education Program complements the Australian Curriculum, with a focus on safety.

The Science Tram Learning Hub is a free online resource for teachers across the city, providing access to free, downloadable resources, in-classroom activities, and real-world insights into a major local project, all designed to be built into their own personalised lesson planning.

Objectives

- Highlight neighbourhood changes: Help children understand the impact of these changes on themselves, their families, and the wider community.
- Promote safety awareness: Emphasise how children can stay safe around construction sites, while also raising awareness about the safety measures builders must follow on-site.
- Spark interest in construction, and engineering careers: Inspire students to consider careers in STEM and construction.
- Generate excitement: Engage students with the upcoming phase of testing and commissioning.
- Provide educational resources: Offer a hub of resources and links that teachers can utilise as curriculum tools.

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All resources are available on the **Science Tram Learning Hub** gclr3.com.au/sciencetram

Resource	Description	Curriculum learning areas	Duration of activity
Be a safety superhero video	The video provides an introduction to the Light Rail Project, safety around construction, and different jobs within the project. Sally the Safety Officer is leading the students through the different sections – and children will find her, and other content covered in the video in the other activities	Design and Technology: Knowledge and Understanding – Technologies and Society Cross Curriculum Priorities: SD1	Four minutes
Classroom presentation (Incorporates Be a safety superhero video)	A presentation will be available for download on the Science Tram Learning Hub for teachers to use in their lesson planning as a tool to provide local, real-world content. A project representative will visit schools near the project alignment for an interactive safety session. “Sally” will emphasise important safety messages and for project team presented option, a PPE kit to demonstrate safety gear to the students is available.	Health and Physical Education: Personal, Social, and Community Health Health, safety, and wellbeing	60 minutes
Activity booklet	Students will work through different activities that activates them to apply the information and learnings from the Safety Video in a variety of hands-on tasks, related to art, literacy, working in groups, and STEM careers.	Design and Technology: Knowledge and Understanding – Technologies and Society (AC9TDE4K01) Cross Curriculum Priorities: SD1 General Capabilities: Literacy – Reading and Viewing General Capabilities: Personal and Social Capability	60 minutes
PPE match and learn activity	Discover the different PPE items and learn about the importance of each before colouring-in Sally the Safety advisor, while finding the missing items.	Design and Technology: Knowledge and Understanding – Technologies and Society (AC9TDE4K01) General Capabilities: Literacy – Speaking and Listening	60 minutes

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Hard Hat cut-out	Students design, colour and cut-out a hard hat while learning about the importance of PPE on a construction site.	The Arts: Visual Arts – Creating and Making (ACAVA4C01)	60 minutes
Jobs in construction flyer	Students will explore different types of jobs you can find on construction projects with the opportunity to extend on learnings through a hands-on activity.		60 minutes
Science Tram art competition	The Science Tram art competition can be delivered in classroom or downloaded from the learning hub. Students work individually or in groups to create a picture about the light rail. They are invited to include aspects of their learning and other aspects, such as transport, workers, construction sites, safety, community members, and cultural aspects.	The Arts: Visual Arts – Creating and Making (ACAVA4C01)	60 minutes