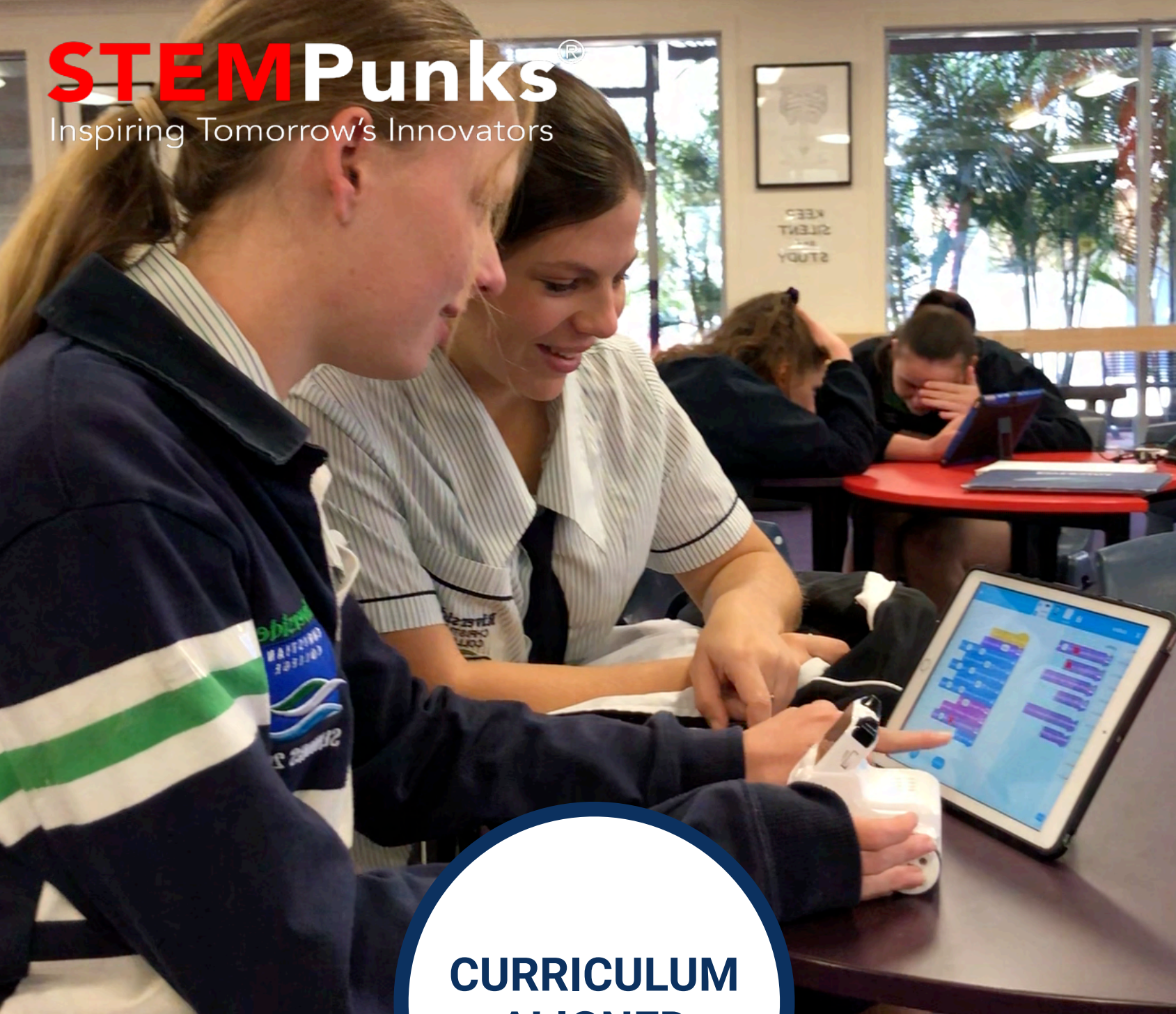


# SCHOOL PROGRAM

Autonomous Vehicles & Systems







**CURRICULUM  
ALIGNED**



**AUTONOMOUS  
SYSTEMS**



**CAREER  
PATHWAYS**

## SCHOOL PROGRAM OVERVIEW

The Komatsu School Program has a core focus on 'Autonomous Operations & Systems'. The program will highlight exciting career pathways and inspire the next generation of innovators. The program is delivered by professional teachers with learning outcomes aligned with the Australian Curriculum.



# LEARNING OUTCOMES

## Autonomous Vehicles

The Autonomous Vehicles Mining program has been designed to provide a hands-on experience for students to explore and learn advanced Autonomous system components and their operation. A core focus is the integration with machines in both mining and civil construction.

Key Learning Outcomes:

- Autonomous System and it's operations
- Artificial Intelligence - Machine Vision
- Algorithms & Coding
- Advanced sensor technologies
- Cloud data storage and analysis
- Internet of Things (IoT)
- Future career pathways in Autonomous industries





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## PROGRAM AGENDA

August 2024

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The 1-day STEM Program is delivered at the Komatsu Innovation Hub at Wacol during 'Skills Week' on the 19th and 23rd August. The program is targeted to High-School students in year 7-9.

**Where:** Komatsu Innovation Hub, 1188 Boundary Road, Wacol

**When:** 19th and 23rd August, 9am - 3pm

**Group Size:** A maximum of 25 students per school

**What to bring:** Laptop & Power Adaptor

**RSVP to:** [hello@stempunks.com.au](mailto:hello@stempunks.com.au)

*The event will be promoted through photos and video, please complete the Media Consent Form 1-week prior to the event. (Form supplied by STEM Punks)*





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