

ROBOTICS CODING
Challenge

AUSTRALIA'S PREMIER STEM MISSION

EMERGENCY PROTOCOL 2026: THE HIGHWAY COLLAPSE

A massive geotechnical failure has severed a critical transport route. Students across Australia are invited to design coding, robotics, and AI solutions for rescue, logistics, safety, and recovery.

Choose Your Challenge Pathway

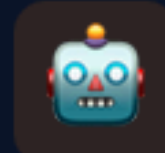
Students research a real-world emergency, then turn their ideas into games, AI projects, robots, and STEM solutions.



Coding Challenge

K – Year 12

Scratch / ScratchJr

Path A: Junior Explorers
(K–Y2)**Path B:** Scratch Rescue
Game (Y3–12)**Path C:** AI Pose Rescue
Game**Focus:** Research → Design
→ Code → Explain

Robotics Challenge

AI Motion Rescue

[Official Robot Kit →](#)

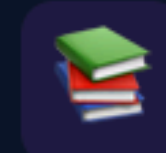
Build and control an AI rescue robot using pose recognition and Bluetooth. Individual, Team, and Starter categories available.

Focus: Research → Design
→ Build → Test → Explain

STEM Learning Challenge

eLearning Based

Build STEM confidence through online learning activities. No robot kit needed. Helps schools include more students in the challenge.

Focus: Problem-solving & computational thinking.

Research-Based Learning

All Pathways

Curriculum Aligned

Every pathway follows:
Research → Design → Code/Build → Test → Explain. Students investigate the highway collapse and turn research into solutions.

Connects: Technologies · Science · Maths · HASS · HPE

Join UNSW STEM, Robotics & Coding Challenge

[VIEW DETAILED PATHWAY RULES & REQUIREMENTS](#)

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