



THE WAY

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YEAR 6 ROBOCUP SUCCESS

Wednesday 22 July brought exciting news for several of our Year 6 students, with the announcement of the results from the Virtual RoboCup Junior Spike Prime Competition.

The nationwide competition challenged students from across Australia to design, build and program an autonomous robot based on the theme "**Survivors of the Future - Robots on a New World.**" Students were tasked with creating a robot capable of autonomously exploring and navigating a new world, with solutions incorporating concepts such as animal-inspired movement, supply delivery, habitat construction, and signal and survival coding.

We are delighted to share that both Thomas Hassall Anglican College teams placed among the **top 10 teams in New South Wales.**

- **Team Operation Martian Water**, comprising James L and Jason O, achieved 7th place in NSW.

THE WORLD: Mars, 2045: First Human Colony, Water Crisis

"Survivors of the Future" = colonists who cannot survive without water on this new world

Humanity's first Martian colony is established — but survival is at risk. Colonists need water. JJ2000 must find it, autonomously, in an alien world none of us has ever seen.



- **Team TurtleBot**, comprising Margaret O, Georgia G and Olivia E, achieved an outstanding **2nd place** in NSW.

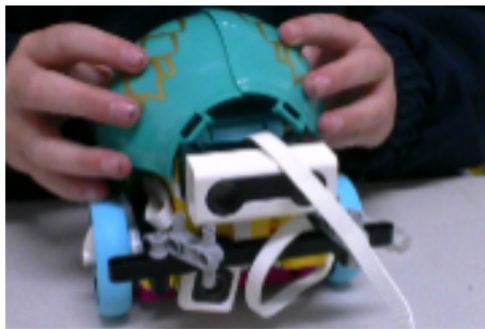
THE WORLD: Post-Tsunami Pacific — A Coastline Transformed

The idea that we had is that our TurtleBot would explore a world after the devastation of a Tsunami.

"Survivors of the Future" = the people who need help to survive this new world



The roads are gone. Bridges have collapsed. The island communities are cut off. This is a new world — shaped by disaster. TurtleBot navigates the changed terrain autonomously to deliver first aid to survivors.



These results are a remarkable achievement and reflect the students' creativity, problem-solving skills, perseverance and collaborative approach throughout the project.

This marks the first time Thomas Hassall Anglican College has entered the RoboCup Junior Spike Prime Competition and the first opportunity for these students to engineer and program an autonomous robot to complete a real-world challenge.

Congratulations to all of our Year 6 participants on this outstanding achievement, and thank you to the staff who supported and encouraged the students throughout their robotics journey.

Stay tuned to our social media channels as Thomas Hassall Anglican College proudly hosts the RoboCup Junior Australia - NSW Regional Competition on campus this weekend.

Mrs Karen Binns

Learning Enrichment Innovation