

COAST TECH LABS

Urban vs. Tech (Augmented Reality Design)

Engineering & Great Court, The University of Queensland (UQ), St Lucia Campus

MISSION OVERVIEW

This Easter, Coast Tech Labs is deploying to UQ for immersive Augmented Reality (AR) engineering design workshops designed exclusively for neurodivergent (ASD/ADHD) youth and young adults. Operating in a highly supported environment, this hybrid capacity-building program bridges the physical and digital worlds to improve executive functioning. Using iPad Pro LiDAR, participants will scan the iconic Great Court, import 3D objects into professional game engines (Unreal Engine, Unity, Spline), use Blockbench, and build custom Minecraft-themed AR experiences.

THE SQUADS

- Strictly capped at 16 participants to maintain a safe, highly regulated, low-demand environment.
- Staffed by a Lead Software Engineer and experienced support workers (1:4 to 1:5 ratio) specializing in complex support needs (including ASD Levels 2 & 3, PDA, ODD, OCD and social anxiety).

REGULATION & EXECUTIVE FUNCTION

We build executive function through high-interest tech. By interweaving cyber-physical activities (e.g., AR Asset Hunting, Spatial Navigation), we help participants practice physical regulation, manage sensory load, and sustain focus. This is a strictly neuro-affirming space: no forced icebreakers, parallel play is encouraged, and noise-canceling headphones are always welcome.

LOGISTICS, DATES & FUNDING

To prevent autistic burnout and allow for deep processing, our programs run on a staggered schedule. This program is designed to help participants achieve specific NDIS goals related to technical skill development, social communication, and community engagement.

- **Daily Hours:** 8:30 AM – 5:00 PM (Extended Lab for social/sensory decompression) | 09:00 AM – 3:00 PM (Core Engineering Sprint).
- **Seniors Squad (Ages 12-18):** Tuesday 07, Thursday 09 & Saturday 11 April 2026 | **Fee:** \$1,732.50 (3-day)
- **Pros Squad (Ages 18+):** Wednesday 08 & Friday 10 April 2026 | **Fee:** \$1,155.00 (2-day)
- **Flexible Options:** 1-Day Taster Sessions and Half-Day schedules are available upon request to help manage sensory load.
- **Mandatory Intake Process (\$210):** Includes a 1-hour online Google Meet strategy session to determine group readiness and squad role, plus a personalized Transferrable Technical Learning Roadmap.
- **NDIS Alignment:** May be eligible for funding via Self/Plan-Managed NDIS plans under Capacity Building (09 - Increased Social & Community Participation / 10 - Finding and Keeping a Job / 15 - Improved Daily Living) or Core (04 - Assistance with Social, Economic & Community Participation). Private funding is also accepted.

WHAT TO BRING

- **Hardware:** Laptop & Charger (Windows/Mac/Linux). Mouse & headphones.
- **Medication:** Must be handed in upon arrival in its original packaging with the pharmacy label attached.
- **Other:** Packed lunch, snacks, and a water bottle.

HOW TO JOIN

Spots are highly competitive. To secure a place in a squad and book your Intake Session, please contact:

Joel Biddle | Founder & Lead Software Engineer

M: 0474 847 552 | **E:** hello@coasttechlabs.com.au | **W:** <https://coasttechlabs.com.au> | **FB:** [Coast Tech Labs](#)