

More information

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Students Graduate from Inaugural Future Computing Program

Students from Dampier Primary School will graduate from Scitech's Future Computing Program on Thursday 3 December at a celebratory showcase event at the school.

Showcasing the skills they learnt from this year-long program, students will take part in a series of friendly but competitive hands-on computing challenges.

Delivered through a partnership with Mitsui Iron Ore Development, the Future Computing Program is a new teacher professional learning program that fast tracks Digital Technology education through intensive, hands-on computing and ICT coaching.

Dampier Primary School is the inaugural focus school for 2020, where classes in years four to six have been provided with fully funded Raspberry Pi educational computing kits.

Kalien Selby, Scitech Chief Executive Officer said "Scitech's Professional Learning programs create long lasting impact through contemporary and effective coaching and mentoring. We believe students are motivated by inspired teachers who evolve their practice to teach in innovative and engaging ways."

"It is incredibly important to ensure students have the opportunity to learn and develop the digital technology skills needed to take on the opportunities of the future workforce, and we are extremely proud to be able to do so by delivering this unique program in collaboration with Mitsui Iron Ore Development."

More than just simple coding lessons, the Future Computing Program goes back to basics, starting with understanding what the different hardware components on the inside of a computer are called and what they do. Students then make their own working Raspberry Pi computer from scratch.

This foundation knowledge is completed by learning the software components of a full desktop operating system. This enable students to explore a wide range of coding activities, including creating computer-generated art in Turtle Art and composing digital music in Sonic Pi.

Other projects include writing code to hack Minecraft, conducting mathematical experiments to discover the value of pi, designing and building electronic circuits and creating step-counters to monitor physical activity using micro:bits.

The Future Computing Program comprehensively addresses the Technologies learning area and ICT capability of the Western Australian curriculum and incorporates General Capabilities and Cross-curriculum Priorities.