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Perth Showcase for Shell NXplorers Program

On Tuesday 13 October, students from five Perth schools showcased their sustainability ideas developed through the Shell NXplorers program, at a special event at Scitech.

At the showcase, students from Butler College, Morley Senior High School, Lynwood Senior High School, Harrisdale Senior High School and Byford Secondary College shared their projects that answered the focus question of “How can we be more sustainable with food, water and energy in our school and community?”

Rubbish and food waste around the school has been a major focus for many students this year, though several also tackled water waste from drink fountains, sprinklers and bathroom taps.

Other projects included introducing compost bins at school, reducing waste from food packaging at the canteen, designing and creating their own biodegradable packaging, and organising beach cleans.

Kalien Selby, Chief Executive Officer, Scitech said “Now more than ever we see how STEM skills are needed for the ongoing health and prosperity of our communities. From the development of vaccines to modelling economic scenarios or developing cleaner energy solutions, STEM skills are necessary to solve the complex challenges of our world.

“Shell’s NXplorers program, delivered by Scitech, is a remarkable opportunity for secondary school students to understand how STEM skills relate practically to their world. It promotes an ‘agent of change’ mentality and challenges students to create relevant, realistic and positive solutions to issues facing their communities, empowering current generations for future success.”

The Shell NXplorers program is an international science, technology, engineering and maths (STEM) education program, facilitated by Scitech in Western Australia.

It aims to drive interest and capability in STEM for secondary school students and demonstrates how the application of STEM skills can shape future career opportunities.

Students from Broome Senior High School, Mother Teresa Catholic College, Hammond Park Secondary College, Cecil Andrews College, Mercy College, Kelmscott Senior High School, Hampton Senior High School and Warwick Senior High School will present their projects at special showcase events in December.

About NXplorers

Shell’s investment in sciences is aimed at developing smart thinkers to solve tomorrow’s global challenges, including the demand for more and cleaner energy. The NXplorers programs equips future generations with the skills they will need to access the jobs of the future.

Using key tools of ‘explore’, ‘create’ and ‘change’, the NXplorers methodology cultivates the main components of STEM thinking - critical thinking, problem-solving skills, creativity, communication and collaboration.



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Students develop sustainability ideas, models and research projects to describe how they believe they can create positive change in their community.

Western Australian students are part of the NXplorers community of positive change being experienced in the Netherlands, Nigeria, Ghana, Brazil, India, Qatar, Russia, Singapore, Indonesia and Oman.

Previous programs have tackled food security in Qatar, salmon fishing sustainability in Russia and irrigation issues in India. By presenting STEM concepts in interesting and relevant scenarios, NXplorers aspires to develop an 'agent of change' mentality in the key generation transitioning into the world's future workforce.

<https://nxplorers.com/en/>