

Villawood East Public School

STEM Teacher Enrichment Academy Sydney Primary 2018

STEM in our World for Years K - 6

Villawood East Public School has focused our STEM learning across the school, as this concept was new to our teaching practice and we needed to build small group collaborative and communication capacity within our classrooms.

STEM lessons began with an emphasis on understanding the STEM framework and developing the 4C's in Stage 2. Since then, Stage 2 has engaged in integrated learning with units on Endangered Animals in Built Environments and Cars of the Future.

During allocated library lessons Early Stage 1, Stage 1 and the Support Unit classes have engaged in isolated STEM experiences to build skills in ICT capabilities while developing the 4C's. Stage 3 has embarked on a journey to change and improve the school play environment. They worked in collaborative learning teams to identify possible solutions, survey the school population, research products and develop a design proposal to present to the PBL Team in the hope of securing funds to complete their project.

Science and technology outcomes	ST11VA ST12VA ST14WS ST15WT ST17PW ST11WSS ST12DPT ST19PWST	ST2-4WS ST2-5WT ST2-14BE ST2-1VA ST2-2VA ST2-2VA ST2-10LW ST2-11LW	ST3-5WT ST3-14BE
Mathematics outcomes	MA11WM MA12WM MA13WM MA19MG MA117SP MA118SP	MA2-1WM MA2-3WM MA2-18SP MA2-9MG MA2-17MG MA2-10MG MA2-18SP	MA3-18SP MA3-9MG MA3-10MG

Statement of impact

Students have begun to develop skills across the 4C's (critical thinking, communication, collaboration, and creativity). Connections are being made across Key learning Areas and students can articulate what they are learning, its significance to their lives and the impact on other people and the world we live in.

For more information

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