Campbelltown Performing Arts High School virtual reality immersion experience lesson overview

Lesson: STEM – Science, Mathematics and Technology Applied Studies: Stage 4

Learning overview

Driving question: How can sustainable community garden design effectively utilise space and supports its own ecosystem to promote the importance of our natural environment?

This lesson involves project-based learning with a design thinking framework to create a community garden that promotes sustainable practices to support flora and fauna. Students are directed to refer to the project wall for guidance with their progression through problem solving, ideation and formulation of objectives.

Employing student led activities together with guided teacher instruction, encourages student-centred and cooperative learning in a supportive environment. Digital technologies, accessible resources and designated learning zones enhance student direction.

Learning modes

- Explicit
- Discussion
- Guided
- Collaboration
- Feedback and reflection

Pedagogy

- Team teaching
- Student-centred learning
- Social and cooperative learning

Innovation

- Cross curricula project-based learning (PBL) unit on Plastic

Resources and tools

- Writable surfaces (walls, tables, movable walls)
- Devices (tablets, laptops, IWB)
- Maps and examples of garden designs, skills progressions, project wall tags.

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