



Women in Digital Technology

Smart Cities lesson plan

Australian Curriculum links

Curriculum Code

Prerequisite

Digital Technologies

AC9TDI4P01 Define problems with given design criteria and by co-creating user stories

AC9TDI4P03 Generate, communicate and compare designs

AC9TDI4P05 Discuss how existing, and student solutions satisfy the design criteria and user stories

Design & Technologies

AC9TDE4K03 Describe the ways of producing food and fibre

HASS

AC9HS4K06 Sustainable use and management of renewable and non-renewable resources, including the custodial responsibility First Nations Australians have for Country/Place

Focal

Digital Technologies

AC9TDI6K02 Examine how digital systems form networks to transmit data

AC9TDI6P01 Define problems with given or co-developed design criteria and by creating user stories

AC9TDI6P04 Generate, modify, communicate and evaluate designs



Women in Digital Technology

Virtual Reality lesson plan

Australian Curriculum links

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Prerequisite

Processes and Production Skills

AC9TDI6P01 define problems with given or co-developed design criteria and by creating user stories

AC9TDI6P03 design a user interface for a digital system

AC9TDI6P04 generate, modify, communicate and evaluate designs

AC9TDI6P06 evaluate existing and student solutions against the design criteria and user stories and their broader community impact

Focal

Knowledge and Understanding

AC9TDE8K02 analyse the impact of innovation and the development of technologies on designed solutions for global preferred futures

AC9S8U01 recognise cells as the basic units of living things, compare plant and animal cells, and describe the functions of specialised cell structures and organelles

AC9S8U02 analyse the relationship between structure and function of cells, tissues and organs in a plant and an animal organ system and explain how these systems enable survival of the individual

Processes and Production Skills

AC9TDI8P04 define and decompose real-world problems with design criteria and by creating user stories

AC9TDI8P07 design the user experience of a digital system

AC9TDI8P10 evaluate existing and student solutions against the design criteria, user stories and possible future impact