



Southwell

Primary School

Design and Technology Strategic Plan 2017 - 2019

Co-ordinator: Elizabeth Melville with all staff

Objectives: *Students:*

- investigate, design, plan, manage, create and evaluate solutions
- are creative, innovative and enterprising when using traditional, contemporary and emerging technologies, and understand how technologies have developed over time
- make informed and ethical decisions about the role, impact and use of technologies in the economy, environment and society for a sustainable future
- engage confidently with and responsibly select and manipulate appropriate technologies – materials, data, systems, components, tools and equipment – when designing and creating solutions
- critique, analyse and evaluate problems, needs or opportunities to identify and create solutions.

Improvement Targets: (Should be very broad / What are we going to focus on the next 3 years to improve student learning/ outcomes)
Teachers actively assist students to be more confident and capable users of STEM and STEAM knowledge.

Major Strategies: (General, broad strategies, can include instructional strategies)

Students will be given opportunities to create designed solutions in at least one of the technologies contexts below:

Engineering principles and systems – how forces can be used to create light, sound, heat, movement, control or support in systems

Food and fibre production – the process of producing food or fibre as natural materials for the design and development of a range of products. Fibre includes materials from forestry (Food and fibre production includes Food specialisations from Pre-primary to Year 4)

Food specialisations – the application of nutrition principles and knowledge about the characteristics and properties of food to food selection, preparation; and contemporary technology-related food issues

Materials and technologies specialisations – broad range of traditional, contemporary and emerging materials and specialist areas that typically involve extensive use of technologies, this includes materials such as, textiles, metal, wood and plastics.

Resources: (Physical / professional / funding etc)

<http://k10outline.scsa.wa.edu.au/home/p-10-curriculum/curriculum-browser/technologies/design-and-technologies2/technologies-overview/ways-of-teaching>

Viewed on 16th November 2016 by:

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