

Technology & Design

Materials, Food, Information and Communication technology, Home Economics.

By considering problems and solutions that faced people in the past, and examining methods and means of manufacture, students are able to see how technological developments have influenced and affected the development of our community.

As well as a number of significant objects, including a large collection of **packaging** and **textiles** from the past, the archives are a rich source of documentation of the increasing use of machinery in the community, for transport, manufacture, and leisure. Concepts of **sustainability** can also be investigated by comparing past and present practices

- 1.7: AS90051 Describe the interactions between a technological innovation and society
- 1.3: AS90143 Explore cultural influences on food choices, customs and beliefs
- 2.4: AS90246 Examine New Zealand food choices and eating patterns

Lighting Timaru: Candles, lanterns, torches, gaslight and the history of Timaru's two lighthouses.

From Shanks Pony to Lighter Than Air - Transport: Horse drawn, bicycles, early powered vehicles, trains, planes (see Richard Pearse), sailing and steam ships.

Richard Pearse and Flight: Examine birds and wings, learn the necessary properties of flight and discover how Richard Pearse beat the Wright brothers into the air. **SC Museum Developmental Trust short film.**

'Look at the Dickey Bird' - Photography and film: The development of the cameras, photographs, glass plate negatives and postcards from archives as well as early South Canterbury photographers, William Ferrier (professional) and Lucy Acland.

'Drop me a line, give me a ring' - Communication in the past: pens, slates, typewriters, writing, letters, postage stamps, post offices, telegraph and telephones.

Packages and Promotions: The development of packaging and advertising of goods includes late 20th C examples of everyday items.

Hometown Heroes: Colin Murdoch, Bill Hamilton, Cecil Wood, Richard Pearse Local inventors who changed the life of millions with the hypodermic syringe, jet boat engine, New Zealand's first motor car and powered aeroplane. **Visit TBHS memorial library, SC Museum to see our Pearse replica. Also watch SC Museum Developmental Trust short films on local heroes.**

Nga Mahi Hangarau - Maori Technology: Hands-on with a range of wood, stone and flax processing tools, examine the skills and knowledge required for survival.

Dairy Times Past: Investigate early dairy technology and processes, make butter in an old-style churn. Consider options available to 19th and early 20th C households. Sustainability study.

Wheat, Wool, Mutton and **Dairy**: Development of New Zealand as a food basket for Britain. Our secondary industries including: milling, freezing works, shipping. The exploitation of natural resources and sustainability. **Also available in North Otago – visit Totara Estate, home of the frozen meat industry or Clark’s Mill, Maheno.**

Dress and Undress - Costume and textiles: Look at changes in clothing and accessories: materials, construction and design through photographs and close-up of costumes from 19th and 20th C: Try on a reproduction 19th C corset and crinoline.

Elbow Grease and Hard Work - Housework and appliances: Learn about everyday pre electric appliances from 19th C to mid 20th C by following an average day in the life of a housewife. Lighting, fetching water, washing, ironing, cooking, cleaning, mending, shopping, chopping wood, making butter, shearing sheep, and mending boots.