

**SPCA Auckland Education
Primary/Intermediate
Teacher Guide Sheet**



'Create a Better Home' Technology Year 1-8 Level 1-4

Technological Capability: Level 1

Discuss and brainstorm appropriate features of an 'ideal' living environment for farmed chickens and pet birds.

E.g. Warm Dry Roosting Box, Space to Peck and scratch in Dirt

For pet birds: Natural wooden perches at different heights, warm dry area for sleeping at night, toys, feeding area sheltered from rain, space to fly.

For rabbits: Large weatherproof home that is kept up off the ground, out of direct sunlight and strong wind, separate covered sleeping area for each animal inside the home.

For Guinea Pigs: Large weatherproof home that is kept up off the ground, out of direct sunlight and strong wind, separate covered sleeping area for each animal inside the home.

For Mice: A large home that is kept indoors in a warm place, out of direct sunlight, a gnawing block to wear down long teeth.

Achievement Objectives

Within a range of technological areas and contexts, students should produce technological solutions. They will:

Identify and discuss needs, opportunities, and preferences in their immediate environment;

With reference to identified needs and opportunities,

- a) share ideas about possible solutions and strategies, and choose a practicable option;
- b) identify and gather necessary resources, and model or make their preferred solution;
- c) discuss their ideas, intentions, progress, and outcomes with others;
- d) describe and discuss how they feel about what they have accomplished

Technological Capability: Level 2

Achievement Objectives

Within a range of technological areas and contexts, students should produce technological solutions. They will:

Gather information, and identify and discuss needs, opportunities, and preferences

in their local environment;

With reference to identified needs and opportunities, and preferences in their local environment;

- a) discuss possible solutions and strategies, and select and develop a suitable option;
- b) identify and gather necessary resources, and model or make their preferred solution;
- c) show and describe examples of their intentions, progress, and outcomes to others;
- d) describe how satisfied they are with their progress and outcomes to others, and how well they are achieving the intended solution

Technological Capability: Level 3

Achievement Objectives

Within a range of technological areas and contexts, students should produce technological solutions. They will:

Gather and collate information on needs and opportunities in the local environment; with reference to identified needs and opportunities,

- a) explore possible solutions and strategies, and select appropriate options, justifying their decisions;
- b) prepare a plan of action, identify and collect the required resources, and produce the selected solution to meet agreed or specified criteria;
- c) present designs, plans, and outcomes to selected groups, using suitable means of communication;
- d) review decisions and progress, assessing how satisfied they are with their strategies and outcomes.

Technological Capability: Level 4

Achievement Objectives

Within a range of technological areas and contexts, students should produce technological solutions. They will:

Use quantitative and qualitative methods to identify and clarify needs and opportunities;

- a) identify the nature and details of the issue and explore feasible strategies, select an appropriate solution through testing, adaption, refinement, and modification;
- b) prepare plans of action, identifying the required resources (time, human, material, financial); produce the selected solution to meet agreed or specified criteria;
- c) present and explain designs, plans, strategies, and outcomes to specific groups, using a variety of forms of communication;
- d) explain their choices, review strategies, and appraise outcomes, taking responses of others into account.

Create a Better home

Some chickens live in small cages,
can you create a better home
for them.



Create a Better Home

Birds like to fly, to stretch their wings.
Draw a nice place for this
bird to live.

