FOOD AND FIBRE ON THE FARM

Stage 1 and 2: Science & Technology
ST1-5LW-T, ST2-5LW-T

Discover ways that animals and plants are grown for food and fibre production including traditional Aboriginal and Torres Strait Islander, urban and commercial practices. Students will get the latest BUZZ on Taronga Zoo's bees, life in the chook house and being a cool kid in the goat yard! A guided farmyard discovery will enable them to build knowledge on species, equipment and production and harvest techniques.

OUTLINE

AT SCHOOL

Discuss animals found on the farm and consider where the animals live eg the barn, the hive, the sty, and why their homes are designed this way. Carry out a lunchbox investigation, analyzing and recording which items come from a product from one of these farm animals. It is important to also remember our plant-based producers too!

ZOO WORKSHOP

Stage 1: Using digital technologies and the food and fibre discovery kit, explore the farm at Backyard to Bush to discover what products these amazing animals provide humans.
Stage 2: Students will experience the above learning opportunities, and will deepen their learning by investigating agricultural processes being demonstrated to raise animals for food, clothing and shelter.

BACK AT SCHOOL

Explore your school for traditional Aboriginal Food and Fibre resources. Create a journal and photograph and describe these items and their uses. E.g. Lomandra plants for rope
Choose a farm animal and list all of the special food, water and shelter items this animal needs to survive and do its job. Design and make a water bowl, food dispenser or shelter for this animal.
Use an app like Book Creator to record your research and annotated designs. Share your book with the local farmer, vet, bee keeper, animal carer or Aboriginal Elder to get their expert opinion!

TARONGA ZOO
For the Wild

AT SCHOOL - BEFORE THE ZOO

WHAT DO YOU KNOW ABOUT FOOD AND FIBRE ON THE FARM?

K.W.L

List the animals or plants that could be found on a farm and what they need to be happy and healthy.

- What I **Know**
- What I **Want** to Know
- What I have **Learned**

K.W.L CHART

Name of living thing found in schoolyard: _____

K What I Already Know	W What I want to know	L What I have Learned

MAKE SOME VANILLA CUPCAKES!

Beside each of these items list which animal or plant is the primary producer!

Ingredients	Primary Producer
2 cups flour	
½ teaspoon salt.	
2 teaspoons baking powder.	
½ cup butter, softened	
¼ cup sugar	
2 eggs	
1 cup milk	
1 teaspoon vanilla essence (optional)	

TARONGA ZOO
For the Wild

AT SCHOOL - BEFORE THE ZOO

ANALYSE YOUR LUNCH BOX!

Lunchbox item	Primary Product	Primary producer needed to provide that item
EXAMPLE *Strawberry Jam Sandwich*	*Strawberries in the jam*	*Bees that pollinate strawberry flowers*
Cupcake	Eggs for cupcake mixture	Chickens that lay eggs

TARONGA ZOO
For the Wild

AT THE ZOO

SELF GUIDED TOUR

Go on a mission around the Zoo to ……
1. Find a primary producer.
HINT: Think about what Aboriginal and Torres Strait Islander people traditionally used for food and fibre. A great place to start is the Australian walk-about!

2. Take a close look at the menu in one of the food outlets at Taronga. List all the primary producers needed to allow that dish to exist, and what they provided.

3. Take a photo of an animal shelter, a water bowl, or a feeding device that ensures the animal gets all the things it needs to be healthy and happy. Use this photo as research to design your own back at school.

EDUCATOR LED WORKSHOP

CONNECT AND UNDERSTAND

- Join the Taronga educators to explore and discover the farm yard. Be ready to get to your hands dirty because the farm animals have a huge appetite!

- Using digital technologies and the 'Food and Fibre Discovery Kit' discover what products these amazing animals provide humans.
- Learn about the agricultural processes used to raise these animals so they can provide food, clothing or shelter!

TARONGA ZOO
For the Wild

BACK AT SCHOOL- AFTER THE ZOO

DESIGN AND PRODUCTION PROCESS

DESIGN, PLAN AND PRODUCE

A product that supports the growth of a farm animal you saw at the Zoo!

Think about the water bowls, feeding troughs and trays, and enclosure design such as bee hives, chicken coops, pig sty's etc

Use an app like Book Creator to record your research and annotated designs, plus a photo of your final prototype!

Share your book with the local farmer, vet, bee keeper, animal carer or Aboriginal Elder to get their expert opinion!

BOOK CREATOR

CREATE YOUR OWN INDIGENOUS FOOD AND FIBRE JOURNAL!

The flower-cones were soaked in water in bark or wooden containers to extract the nectar to make sweet drinks.

Banksia

TARONGA ZOO
For the Wild