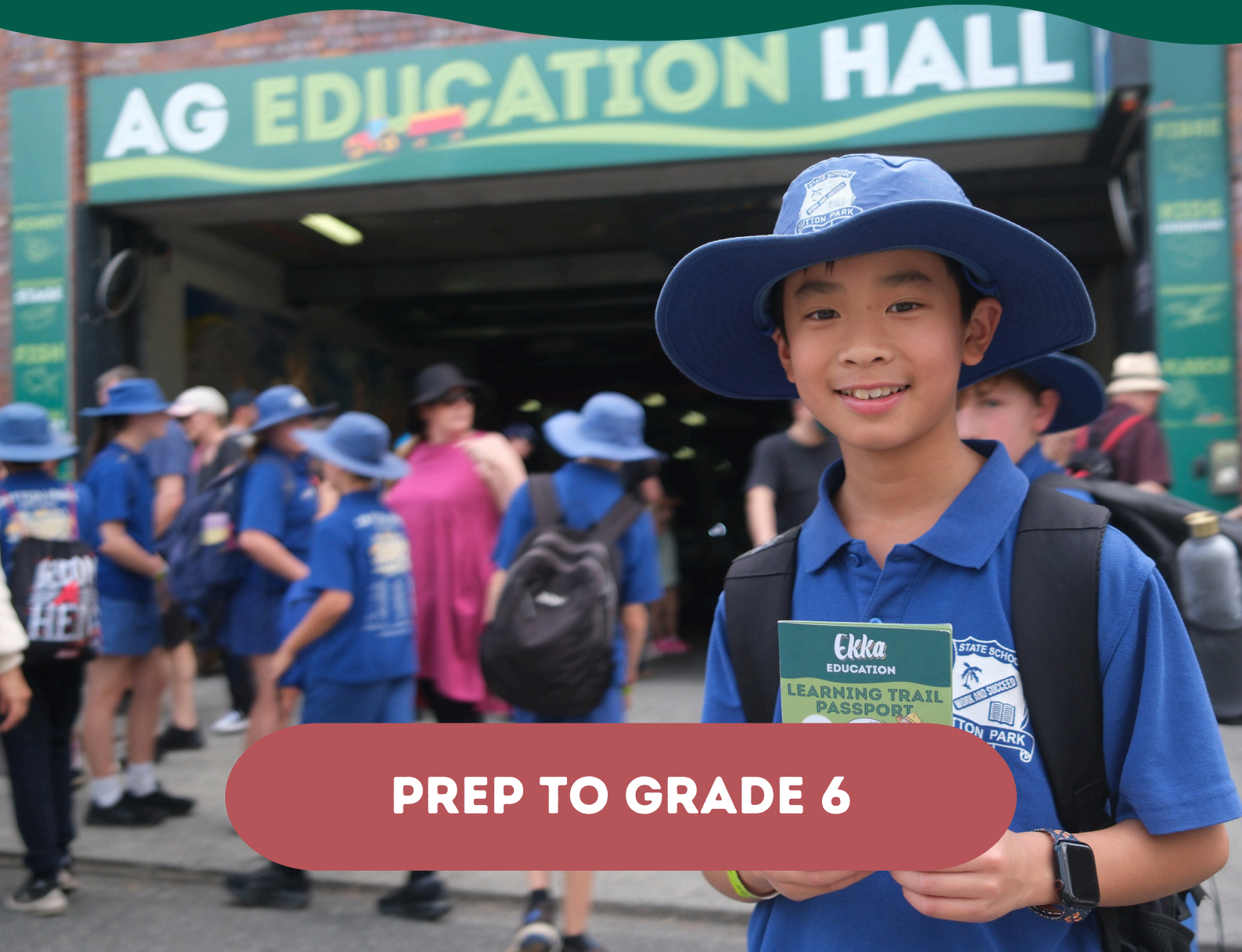
Ekka

ROYAL QUEENSLAND SHOW

EKKA LEARNING TRAIL TEACHERS GUIDE

EDUCATION LEARNING TRAIL

Saturday 9 - Sunday 17 August, 2025



PREP TO GRADE 6

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DOCUMENT INFORMATION

The following document has been developed to help teachers plan their Ekka Excursion through the Ekka Learning Trail activities with pre and post-Ekka activities. These resources are purpose built for students in Prep to Grade 6, who are attending our sensory experiences at the Ekka. Each Learning Trail activity is aligned to Australian Curriculum with grade accessibility information.

Each trail point at Ekka has corresponding videos, activities and worksheets for teachers and students from agricultural industry experts that highlight the value of exploring agriculture in the classroom.

Our Ekka Learning Trail is a self-guided Ekka Excursion activity that provides students with their own 'passport booklet' and encourages them to journey around Ekka's Ag Education Hall to collect stamps from each of the eleven learning trail points.

The trail is packed with opportunities to see, touch and learn, helping kids connect classroom learning with real-world agriculture in a fun and engaging way.

Learning Trail Passport Booklets can be collected from any Information Booth at the Ekka.

IMPORTANT CONTACTS

Education Content Enquiries
education@ekka.com.au

Ekka School & Group Bookings Enquiries
groupbookings@ekka.com.au

AG EDUCATION HALL TRAIL POINTS

1. **Cotton**
   By Cotton Australia
2. **Pineapple**
   by National Pineapple Association
3. **Bananas**
   by Australian Bananas
4. **Grain - Harvest to Home**
   Presented by Manildra & NBIA
5. **Eggs - Get Kids Cooking!**
   Presented by Australian Eggs
6. **Bees - Apiculture**
   By Queensland Bee Association
7. **GOATS x Meat & Livestock Australia**
   Presented by Good Meat Education
8. **Strawberry Sundae Lane**
   Presented by BOQ
9. **Sugarcane**
   By Canegrowers
10. **Wool Workshop**
    Presented by Toy Farm
11. **Little Backyard Farmers**
    Presented by Somerville House

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ROYAL QUEENSLAND SHOW

AG EDUCATION MAP

Ekka

ROYAL QUEENSLAND SHOW

CLASSROOM RESOURCES & TRAIL STOP INFORMATION

The following pages include classroom resources that should be used to enhance the learning outcomes for your students.

1

COTTON

By Cotton Australia

Discover how cotton grows on farms and turns into the clothes you wear every day!

Students can explore the journey of cotton "from paddock to product," learning how cotton is grown, harvested, processed, and turned into everyday items like clothing and textiles.

Fun, interactive activities help reinforce learning about sustainable farming practices, water use, and the importance of cotton to the Australian economy.

COTTON AUSTRALIA

Cotton Australia: Cotton Activities for Primary School Students (Foundation - 6)

This set of six activities are all hands-on STEM-inspired projects that can be carried out at home or in the classroom. Projects target the three primary school stages and include a cotton hunt, design and make, scientific investigation and deconstructing a plant to study its features.
https://cottonaustralia.com.au/assets/general/Education-resources/CA-resources/Cotton-activities-for-primary-students-at-home.pdf

Cotton Australia: Water and irrigation technology on a cotton farm in Central Queensland (Foundation - 6)

A presentation for primary school students about water use on cotton farms in Australia. It includes information and images about what water is used for, where the water comes from, how the water is stored and how it is used to water the cotton crop. It also features a comparison of how water is conserved in schools and on cotton farms and a video link showing how to start a syphon.
https://cottonaustralia.com.au/assets/general/Education-resources/CA-resources/Primary/Water-and-Irrigation-Tec+hnology-on-a-Cotton-Farm-in-Central-Queensland.pdf

Cotton Australia: Introduction to Cotton (Foundation - 2)

This lesson is a great introduction to cotton from growth to end product with least emphasis on spinning and weaving. This lesson looks at how the cotton plant grows the needs of the plant (e.g. sunlight, water, nutrients) and helps students understanc how their daily needs are being met.
https://cottonaustralia.com.au/assets/general/Education-resources/CA-resources/Primary/Introduction-to-cotton-lesson-plan-K-2.pdf

COTTON AUSTRALIA

Cotton Australia: Cotton farmers love ladybirds (Grade 1 - 2)

This five lesson mini-unit uses ladybirds for students to gain an understanding about beneficial insects and their vital role on a cotton farm. Once prior learning is identified, students focus on the insects lifecycle and anatomy, habitat where their needs are met and to end the unit, look at how farmers use science in their daily lives which include caring for their environment and living things.
https://cottonaustralia.com.au/assets/general/Education-resources/CA-resources/Primary/Stage1_Science_FARM_LADYBIRD.doc

COTTON AUSTRALIA

Cotton Australia: Introduction to Cotton (Grade 3 - 6)

This lesson is a great introduction to cotton from growth to end product with least emphasis on spinning and weaving. The lesson touches on how the natural environment has been modified to suit our needs (e.g.land cleared, channels dug to divert water, laser levelling), environmentally friendly practices (e.g. water use recycling) and the end use for a variety of cotton products. There are worksheets and extension activities.
https://cottonaustralia.com.au/assets/general/Education-resources/CA-resources/Primary/Introduction-to-cotton-lesson-plan-3-6.pdf

COTTON AUSTRALIA

2

PINEAPPLE

By National Pineapple Association

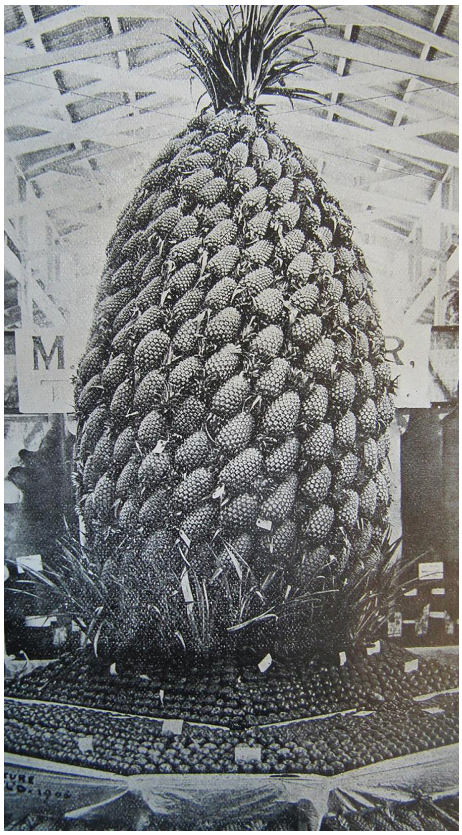
Watch pineapples being cut and juiced, then taste a sweet sample straight from the farm!

A beloved Queensland icon is making a comeback at the Ekka with the recreation of the Giant Pineapple — a 3-metre-high structure built from 200–300 real pineapples!

Led by Chris Doyle, grandson of the original giant pineapple builder, the display celebrates the heritage of Queensland horticulture while drawing attention to the economic challenges and declining consumption facing the pineapple industry.

The display will be complemented by the Tropical Pines food trailer, serving up fresh-cut, juiced and dried pineapple - with around 10 tonnes to be sampled during the Show!

Inspired by the impressive fruit displays of 1906 and 1909, this installation blends history, flavour and industry awareness in one unforgettable showcase.



PINEAPPLE

ABC Education: Kids in the Garden / How seeds become plants (Accessible for all ages)

Tiny or huge, prickly or smooth, seeds contain everything a plant needs to start a new life. Watch this clip and find out how seeds get around, and what they need to start growing. Presenter Nick Hardcastle will even show you how to grow your own plants from seed. https://www.abc.net.au/education/kids-in-the-garden-ep-2-how-seeds-become-plants/13633088

ABC Education: Kids in the Garden / Why Plants Make Fruit (Accessible for all ages)

Have you ever wondered why plants make them? Discover an amazing variety of fruits. Learn the secret of these little plant packages and the treasures they protect.
https://www.abc.net.au/education/kids-in-the-garden-ep-6-why-plants-make-fruit/13605862

ABC Education: Kids in the Garden / How plants work (Accessible for all ages)

Plants are the only living things that can make their own food. They do this during the day while it's light, using a process called photosynthesis, which uses carbon dioxide and produces oxygen. During the day and night plants take in oxygen and release carbon dioxide through respiration. Discover just how important plants are to life on Earth. Find out how we can help plants survive and thrive. https://www.abc.net.au/education/kids-in-the-garden-ep-5-how-plants-work/13633124

PINEAPPLE

Junior Landcare: Sow a seed, grow a feed (Accessible for all ages)

Engage young learners' senses as they grow food from a seed. They can learn about caring for a living thing, experience the joy of watching something grow and harvesting healthy food. The activity provides opportunities for development of science, sustainability and maths concepts.
https://juniorlandcare.org.au/learning_activity/sow-a-seed-grow-a-feed/

Education Services Australia – Plant Scan (Accessible for all ages)

Show an alien how much you know about plant life on Earth. Answer a quiz on plant structure and function. Identify labels for plant parts. Match each plant part with its function.
https://www.scootle.edu.au/ec/viewing/L31/index.html#plant-parts

Fresh for Kids / Activities & Games (Accessible for all ages)

Access a range of fruit-based colouring in pages, anagrams, dot-to-dot drawings, word searches, and mazes.

https://www.freshforkids.com.au/kids-corner/activities-and-games.html

3

BANANAS

By Australian Bananas

Blend your own banana smoothie, meet real banana farmers and see a giant bunch up close!

The Australian Bananas stand is serving up a fresh and flavourful experience that's as educational as it is delicious.

Enjoy free samples including banana slices, yoghurt bowls, and refreshing smoothies, while chatting with real Australian banana growers who'll be on hand to share their knowledge and answer your questions.

The stand will also feature an engaging educational video starring Anna Banana, and fun interactive activities for kids. Learn where bananas are grown, how they're farmed, and why they're one of Australia's favourite fruits.

BANANAS

Australian Bananas: Farm to Table Education Video for Kids (Accessible for all ages)

Follow the journey of bananas from the sunny Flegler farm in Queensland all the way to your home! This fun and educational video teaches kids how bananas grow, how they're harvested, and how they travel from farm to table, with recipes to boot! Perfect for young learners, classrooms, or curious little minds.
https://www.youtube.com/watch?v=uMEiyEv-Y5o

Australia Bananas' Website (Accessible for all ages)

Australian Bananas are always a popular choice for school projects. You'll find stacks of mind-bending facts about nature's non-stop energy snack including its history, nutritional benefits, production as well as an overview of the Australian Bananas industry.
https://www.australianbananas.com.au/

4

GRAIN

Presented by Manildra

Grind, knead, and bake your way from grain to cookie in a hands-on baking adventure!

WHEN: 9.30am, 10.30am, 11.30am, 12.30pm, 1.30pm, 2.30pm, 3.30pm, 4.30pm, 5.30pm daily

Ever wondered how a grain of wheat becomes the cookie in your lunchbox? Kids can follow the journey of grain from harvest to home in this fun and educational hands-on experience.

Due to popular demand, capacity has increased this year from 30 to 50 children per session, giving more young foodies the chance to learn about grain in a fun and interactive way.

Harvest to Home will see children roll up their sleeves and take part in every step of the process - they'll mill grains into flour, sift to remove impurities, knead dough to explore baking textures, and then get creative shaping their own cookie and decorating it.

Not to be missed, Harvest to Home turns grain education into something truly hands-on and delicious.

Primary Industries Education Foundation Australia / Stories about people who produce our food and fibre

Discover different types of grains that are farmed in Australia, how they're produced, and where they end up. https://www.youtube.com/watch?v=iipJdcpseUs

Grains Research & Development Corporation / Learning Tools (Accessible for all ages)

Australian Grains, Oilseeds, and Pulses Poster
https://ezrwbvk28gx.exactdn.com/wp-content/uploads/2022/11/PIEFA-Aust-Grains-A0-poster_HR28.pdf

GRDC
GRAINS RESEARCH & DEVELOPMENT CORPORATION

Grain Facts for Schools: WHEAT Factsheet
https://grdc.com.au/__data/assets/pdf_file/0022/367042/Grain-facts-for-schools-wheat.pdf?utm_source=website&utm_medium=download_link&utm_campaign=pdf_download&utm_term=National&utm_content=Grain%20Facts%20for%20Schools:%20Wheat

ABC Education / ABC Open: Barooga at harvest time (Foundation - 2)

Harvest is one of the busiest times for farmers who grow crops. Watch this video to learn about a machine used during harvest and what it does. What happens to the grains after they've been harvested? Why do the farmers need to harvest their crops before the rain comes?

https://www.abc.net.au/education/abc-open-barooga-at-harvest-time/13963786

Grains Research & Development Corporation / Introduction to Grains, Oilseeds, and Pulses (Grade 3 - 6)

Produced by the GRDC, the Introduction to Oilseeds, Grains and Pulses is a self study or classroom based netquest that sends students on an internet based research quest for answers. Students are challenged to find answer to questions about oilseeds, popular grains, what pulses are, and facts about growing them within Australia.

https://primezone.edu.au/resource/grains-oilseeds-pulses-netquest/

Grains Research & Development Corporation / Sunflower Stories (Grade 3 - 4)

This exciting and interactive unit of work offers a unique perspective on one of Australia's most fascinating crops – sunflowers. From understanding what sunflowers are and how they are farmed, to exploring the lifecycle of a seed and the process of producing sunflower oil, this lesson plan has it all.

https://ezrwbvk28gx.exactdn.com/wp-content/uploads/2021/04/Sunflower-Stories-34.pdf

The GiST / Engineering from Farm to Table (Grade 5 - 6)

Students are invited to become food and fibre engineers to research how wheat, the largest agricultural crop in Australia, gets from the farm to the table. They will build and improve models of key agricultural or production technologies.

https://www.thegist.edu.au/educators/stem-lesson-plans/lessons-for-years-5-6/engineering-from-farm-to-table/

Australia's Defining Moments Digital Classroom / 'Federation' Wheat (Grade 5 - 6)

Wheat was one of the first crops planted by colonists in Australia in 1788. At first, harvests were poor, but soon wheat became Australia's most important crop. However during the 1800s a destructive wheat disease called 'black stem rust' reduced harvests. William Farrer experimented in cross-breeding wheat to produce 'Federation' wheat, the first specifically Australian variety that was resistant to both rust and drought.

https://digital-classroom.nma.gov.au/defining-moments/federation-wheat-distributed

5

GET KIDS COOKING!

Presented by Australian Eggs

Crack into the fun with an eggs-traordinary interactive experience where young chefs discover the power of eggs in a healthy, balanced diet.

WHEN: 10am, 11am, 12pm, 1pm, 2pm, 3pm, 4pm, & 5pm daily

Crack into the fun at 'Get Kids Cooking! Presented by Australian Eggs' - an eggs-traordinary interactive experience where young chefs discover the power of eggs in a healthy, balanced diet.

Back by popular demand and bigger than ever, this much-loved activation has expanded from 30 to 50 participants per session in 2025, giving even more kids the chance to roll up their sleeves and get hands-on in the kitchen.

At the interactive cooking stations, children will create a simple and tasty open sandwich, mixing and experimenting with different ingredients to craft a meal that's uniquely theirs.

Throughout the session, kids will also learn about the nutritional benefits of eggs, including their protein content and essential vitamins and minerals.

AUSTRALIAN EGGS

Australian Eggs – Helping Hands (Foundation)

In this lesson, students will learn about the places people live in and belong to. They will learn about children living on farms and the important daily roles they play. They will be able to identify familiar features on a farm and understand why egg farms are important to people.
https://www.australianeggs.org.au/education/primary/helping-hands-children-at-home-on-the-farm

Australian Eggs – Looking After Hens and Chicks (Foundation – 2)

This short video explores how John the farmer looks after the hens on his farm to produce delicious eggs for people all over Australia! Students will learn what hens and chicks need to stay healthy plus why eggs are so good for our bodies and a sneak peek into what happens on an egg farm. Consider using the Teachers Notes questions below the video to provoke student curiosity and encourage further thinking about the egg industry. https://www.australianeggs.org.au/education/primary/looking-after-hens-and-chicks

Australian Eggs – Eggs-actly where do eggs come from? (Grade 1)

In this lesson students will learn to describe displays by identifying categories of animals and the quantity and appearance of their eggs. They will represent data relating to hens and eggs laid on farms in Australia.
https://www.australianeggs.org.au/education/primary/eggs-actly-where-do-the-eggs-we-eat-come-from

Australian Eggs – What's inside an egg? (Grade 2)

In this lesson students will identify the parts of an egg and the nutrients within. They will explore the different life stages of animals, such as the process of egg laying. Students will learn about how hens grow, change and have offspring similar to themselves. They will be able to determine the difference between unfertilised and fertilised eggs.
https://www.australianeggs.org.au/education/primary/its-gooey-but-what-is-actually-inside-an-egg

AUSTRALIA EGGS

CLASSROOM RESOURCES

Australian Eggs – From Farm to Fridge (Grade 3-4)

Help your students understand what goes on behind the scenes at an Australian egg farm with this video featuring egg farmer John from Tasmania. Students will learn more about each stage of the farm to fridge journey, and who is involved in getting eggs from the hen to our houses, including how he implements quality control. Consider using the Teachers Notes questions below the video to provoke student curiosity and encourage further thinking about the egg industry.
https://www.australianeggs.org.au/education/primary/from-farm-to-fridge

Australian Eggs – To lay or not to lay? (Grade 3)

This lesson introduces the concept that living things can be grouped according to factors affecting reproduction. Students will predict physical and environmental variables connected to the reproductive output of a hen's unfertilised eggs. https://www.australianeggs.org.au/education/primary/to-lay-or-not-to-lay-what-makes-a-hen-happy

Australian Eggs – Sustainable Egg Farms (Grade 4)

Every human activity affects the environment in some way. In this lesson, students will learn how Australian farmers work to create efficient and sustainable practices to ensure little impact upon their neighbours and the surrounding environment.
https://www.australianeggs.org.au/education/primary/sustainability-egg-farmers-are-doing-their-bit

CLASSROOM RESOURCES

Australian Eggs – A Day On The Farm: Farming Ethics and Farm Management (Grade 5 - 6)

Explore the Australian egg industry's place within our country's food production and management with Farmer John Sattler from Pure Foods, an egg farm in Tasmania. This video shows how farmers consider the welfare of their animals in their daily practices, and how farmers may use technologies to make their farming more efficient and sustainable. John talks about how he manages his farm while ensuring the best quality and value eggs possible for his consumers and how natural disasters might affect the way he makes decisions.
https://www.australianeggs.org.au/education/primary/farming-ethics-and-farm-management

Australian Eggs – The Big Egg Debate (Grade 5)

In this lesson students will review the three main types of commercial egg farm systems used throughout Australia. They will formulate arguments for and against each farming system and take part in a debate with their classmates.
https://www.australianeggs.org.au/education/primary/the-big-egg-debate

Australian Eggs – The Power of Choice. (Grade 5)

In this lesson students will be introduced to the three main types of commercial egg farming systems used throughout Australia. They will learn about the challenges surrounding supply and demand and the importance of understanding consumer choices.
https://www.australianeggs.org.au/education/primary/customer-choices-a-fit-for-everyone

Australian Eggs – What About Welfare? (Grade 6)

In this lesson students will understand how the growth and survival of a hen is affected by the physical conditions of its environment. They will gain knowledge of the ways in which egg farmers care for their hens and how the Government enforces strict guidelines to ensure the safety and wellbeing of egg laying hens.
https://www.australianeggs.org.au/education/primary/animal-welfare-what-it-is-all-about

6

BEES - APICULTURE

By Queensland Beekeepers Association

Visit the bees, find the queen, and taste their delicious honey while learning how they help plants grow!

WHEN: Live Bee Displays at 10:30am, 11:30am, 1:30pm & 2:30pm daily, 'How To' Demonstrations at 12pm & 3pm daily

Step into the fascinating world of bees at the Queensland Beekeepers' Association Stand.

Kids will discover why bees are called Australia's littlest livestock and learn just how important these tiny creatures are to our environment and food.

They can also get up close to real bees during daily live displays and watch honey extracted straight from the frame.

Plus, there are 'how to' demonstrations on making mead and beeswax hand cream, along with the chance to taste award-winning honeys from across Queensland.

It's a buzzing adventure full of hands-on learning, sweet discoveries and a deeper understanding of one of nature's most important workers.

BEES - APICULTURE

Australian Honey Bee Council - The Wonderful Story of Australian Honey - Accessible for All Ages

Find out how bees make honey and how man has learnt their secrets.
www.honeybee.org.au/pdf/wonderfull01.pdf

Capilano Honey - How Honey is Made - Accessible for All Ages

Discover how honey is made, from flower, to hive to your home. It one of the great miracles of nature!
www.capilanohoney.com/learn/how-is-honey-made/

Capilano Honey - How to Create a Bee-Friendly Garden - Accessible for All Ages

Want to attract more bees to your veggie garden?
Are you looking to help support the sustainability of your neighbourhood bee population? With a few simple tips, your garden can become a haven for our littlest livestock. Read on to discover!
https://capilanohoney.com/learn/bee-garden/

Junior Landcare: Creating a Bee Hotel - Accessible for All Ages

Explore the different types of bees common to Australia, their features including how they are different to flies and wasps. We will focus on native bees, specifically to learn about their nesting habitat.
https://juniorlandcare.org.au/learning_activity/creating-a-bee-hotel-research/

Junior Landcare: Getting the buzz on bees and other beneficial insects (Foundation - 2)

We're going to identify animals in their habitats by exploring either your backyard, schoolyard, a local park or some other natural place. Investigate your surroundings to see which animals are sharing the local habitat with you. Use the field guide to help you identify animals in your area.
https://juniorlandcare.org.au/learning_activity/getting-the-buzz-on-bees-and-other-beneficial-insects/

BEES - APICULTURE

ABC Education: Kids in the Garden: Discover Flower Power (Foundation - 4)

Can you imagine a world without flowers? Flowers add colour, scent and beauty to our world. But why do plants make them? Discover the real purpose of flowers and how they do their job.
https://www.abc.net.au/education/kids-in-the-garden-ep-3-discover-flower-power/13633096

PrimeZone - Brilliant Bees (Grade 3)

A seven week literature based program for year 3, Brilliant Bees aims to engage students in learning elements around bees through literacy and interactive classroom activities. The program allows for flexibility, extension/remediation and contains ready-made worksheets as well as extra resources, useful web-sites and other programs to link with.
https://primezone.edu.au/resource/brilliant-bees/

Junior Landcare: Creating a beneficial garden (Grade 3 - 6)

Biodiversity has been perfected by nature over millions of years and invertebrates play an important role in maintaining a balanced, biodiverse ecosystem. Invertebrates provide services to food crops including pollination and protection from pests.
https://juniorlandcare.org.au/learning_activity/creating-a-beneficial-garden-investigation/

PrimeZone - Investigate Bees (Grade 5 - 6)

The Investigate Bees Science and Technology teacher resource is a unique and exciting opportunity for students to delve into the world of bees and their critical role in our environment and food production.
https://www.nswdpi-schools-program.com/investigate-bees

7

GOATS & MLA

Presented by MLA Good Meat Education

Step into a virtual farm and see how Aussie meat gets from paddock to plate!

Meat & Livestock Australia (MLA) invites Ekka visitors on an unforgettable journey from paddock to plate with the Australian Good Meat Virtual Reality experience.

This immersive 360-degree tour showcases world-leading Australian beef and lamb production systems, highlighting how Aussie red meat is produced safely, sustainably, and deliciously. Visitors can also meet and chat with real-life industry Ambassadors to learn firsthand about careers and innovations in red meat.

Adding a splash of colour and creativity, the stand also hosts the lively G.O.A.T. (Greatest Of All Time) Competition—an interactive initiative designed to engage students in learning about sustainable farming.

Using curriculum-linked resources and inspired by 'A Goat's Tale: Four Seasons of Farming', students have created vibrant artworks on 20 eye-catching fibreglass goats. On display across the nine days of Show, each goat tells a unique story about livestock, sustainability, and life on the land.

It's a fun, educational, and truly unforgettable experience—where learning about red meat really is the Greatest Of All Time!

Good Meat Education: Goatmeat Activity (Foundation - 6)

By the end of this lesson, students will be able to analyse and summarise key information from the Goats and Goatmeat Fact Sheet, demonstrate understanding through completing the Student Quiz, and engage in reflective learning using the KWL chart to identify what they know, want to learn, and have learned about goats and goatmeat.

Resources
Link to Fact Sheet - Goats and Goatmeat Fact Sheet
Link to KWL Chart - Goats and Goatsmeat KWL Chart

Student Worksheets
Link to Student Quiz - Goats and Goatmeat Student Quiz
Link to L1 Activity - Goats and Goatmeat L1 Activity
Link to L2 Activity - Goats and Goatmeat L2 Activity

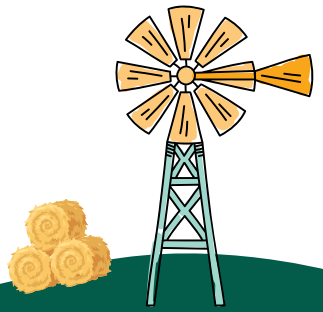
Student Worksheet Answers
Link to Student Quiz Answers - Student Quiz Answers
Link to L1 Activity Answers - L1 Activity - Answers
Link to L2 Activity Answers - L2 Activity - Answers

Good Meat Education: Growing and changing on the farm (Foundation - 2)

Students will learn about how farm animals can grow and change over time, focusing on naming, modelling and measuring these changes through hands-on activities.
Link to Poster Goats: Growing and changing
Link to Teacher Guide Activity 3.2 Living thing on the farm grow and change
Link to Student Stimulus 3.2a How does my name change as I grow?
Link to Student Worksheet 3.2a Goat names

Good Meat Education: Who Lives on the Farm (Foundation - 2)

Students will learn about the needs of living things on farms and the features of some important farm animals that make them suited to particular areas.
Link to Teacher Guide Activity 2.3 The features of animals on the farm
Link to Student Worksheet (pages 25-26) 2.3c Match me!



Good Meat Education: Life cycles on the farm (Grade 3 - 4)

Students will learn about the life cycles of different living organisms and have the opportunity to sequence and create their own representations of life cycles on a farm.
Link to Poster Goats: Growing and changing
Link to Teacher Guide Activity 2.3 Life cycles on the farm
Link to Student Presentation 2.3a Life cycles on the farm
Link to Student Worksheet and Stimulus 2.3a Life cycle of goats

Good Meat Education: Modelling changes on the farm (Grade 3 - 4)

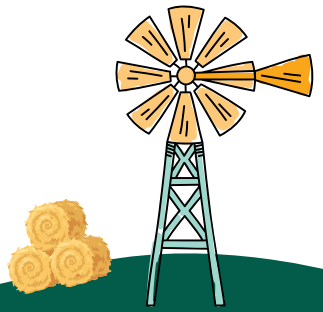
Students will learn about animal life cycles. They will also build models to represent changes over time and show relationships and patterns between the life phases of cattle, sheep and goats.
Link to Teacher Guide Activity 5.3 Modelling the life cycles of livestock
Link to Student Stimulus 5.3a How does my name change as I grow?
Link to Student Worksheet (pages 15–16) 5.3a Modelling the life cycles of livestock

Good Meat Education: All about adaptations (Grade 5 - 6)

Students will learn about the production of livestock in Australia, including the main regions of production, features and adaptations of common breeds and crossbreeds of cattle, sheep and goats.
Link to Teacher Guide Activity 1.4 Online Learning Task
Link to Student Lesson 1 (page 4) Online Learning Task: What's special about Brafords?

Good Meat Education: Where does Australian red meat go? (Grade 5 - 6)

Students will learn about the economic value of meat, features of the domestic and export markets, and study aspects of the Indonesian international market.
Link to Teacher Guide Activity 4.4 Online Learning Task
Link to Student Lesson 4 (pages 9-10) Online Learning Task: Goatmeat



8 STRAWBERRY SUNDAE LANE

Presented by BOQ

An educational activation that brings one of the Show's most iconic treats—the strawberry sundae—to life through engaging and interactive experiences.

Strawberry Sundae Lane presented by BOQ is an exciting educational activation that brings one of the Show's most iconic treats—the strawberry sundae—to life in an engaging and interactive way. Behind every scoop lies a story of agriculture, and at Strawberry Sundae Lane you can explore the journey from field to fair.

Through hands-on activities and interactive learning elements, children will discover how strawberries are grown, how milk becomes ice cream, how sugarcane is turned into refined sugar, and how wheat is harvested and turned into crunchy cones.

Strawberry Lane is more than just a sweet stop - it's a place where kids can discover how everyday ingredients get from Queensland farms to Ekka hands, making food education fun. How berry exciting!

Meet Gavin a Strawberrry Farmer / Ekka Meet a Farmer w/ Sammie O'Brien

Gavin Scurr from Piñata Farms shows Sammie O'Brien the process of growing strawberries, from planting to packing. https://www.youtube.com/watch?v=XBZzBNrxg4s

ABC Education: Meet the Exterminator: Ladybird (Accessible for all ages)

Ladybirds are beautiful and harmless, right? Not so fast!
https://www.abc.net.au/education/minibeast-heroes-ep-6-meet-the-exterminator-ladybird/13656954

ABC Education: Ladybugs in the ecosystem (Accessible for all ages)

Contrary to popular belief, herbivores can sometimes be more dangerous than carnivores.
https://www.abc.net.au/education/gardening-australia-ladybugs-in-the-ecosystem/13823070

STRAWBERRY SUNDAE

ABC Education: Why plants make fruit (Accessible for all ages)

Fruits come in all shapes and colours. Have you ever wondered why plants make them? Discover an amazing variety of fruits. Learn the secret of these little plant packages and the treasures they protect.
https://www.abc.net.au/education/kids-in-the-garden-ep-6-why-plants-make-fruit/13605862

Dairy Australia: Australian Dairy Cows (Accessible for all Ages)

There are many breeds of dairy cows in Australia. Holstein, Jersey and Aussie Red are the most popular, all have distinctive characteristics.
https://www.dairy.edu.au/information/australian-dairy-cows

Dairy Australia: Milk Cycle (Accessible for all Ages)

Follow the animated journey of how dairy cows make milk. The system of organs and processes involved in the digestion and lactation of a dairy cow are fascinating. How much milk can a dairy cow produce in a day? This animation is designed to compliment the inquiry units and activity ideas on Discover Dairy.
https://www.dairy.edu.au/resources/interactive-resource/milk-cycle

9

SUGARCANE

By Canegrowers

Explore sugarcane, meet creepy cane pests, and take a VR trip from paddock to packet!

Kids will discover the power of one plant with many uses!

Sugarcane is more than just sugar – it's electricity, ethanol, mulch, animal feed and even a future fuel for aviation.

At the Canegrowers Sugarcane Stand children will step inside a 360° VR paddock-to-packet experience, get hands-on with real sugarcane and chat to a grower or researcher, smell molasses, see the different types of sugar, and explore diverse cane-based products.

Plus they'll receive a free Canegrowers calico bag, sugar samples and 32-page Ekka special magazine packed with industry stories and career info.

SUGARCANE

Canegrowers: Planet Shapers - Video

Queensland's cane growers are celebrated for their ingenuity and innovation on Planet Shapers, a TV show sharing stories of innovation and adaptability from across Australia.
https://www.youtube.com/watch?v=Qv63qg8LLDY

PrimeZone: One Plant, Many Products (Grade 5 -6)

With the "Sugarcane: One Plant, Many Products" course by CANEGROWERS, students will embark on a journey of discovery, exploring the versatile nature of sugarcane.
https://www.primezone.edu.au/resource/sugarcane-one-plant-many-products/

CANEGROWERS

Canegrowers: Learn About Sugarcane (Accessible for all Ages)

Sugarcane is an important rural industry for Australia, worth $2.5 billion to the economy annually. Approximately 3,700 cane farm businesses grow 30 million tonnes of cane each year.
chttps://www.canegrowers.com.au/information-hub/learn-about-sugarcane-2

CANEGROWERS

Canegrowers: Educational Posters (Accessible for all Ages)

Features of the Sugarcane Plant:
https://www.canegrowers.com.au/uploads/Features-of-a-Cane-Plant_A2-poster.pdf

One Plant Many Products – Supply Chain Poster:
https://www.canegrowers.com.au/uploads/Education/One-Plant-Many-Products.pdf

CANEGROWERS

10

WOOL WORKSHOP

Presented by Toy Farm

Meet the sheep and make your own colourful wool bracelet from fleece you've spun and dyed yourself!

WHEN: 9.30am, 10.30am, 11.30am, 12.30pm, 1.30pm, 2.30pm, 3.30pm, 4.30pm, 5.30pm daily

Experience the wonders of wool from sheep to yarn at the new Wool Workshop presented by Toy Farm.

Kids will get hands-on as they explore the wool-making journey, from meeting the sheep to spinning wool and weaving.

They'll sort fleece, try carding and spinning, plus learn the basics of weaving on a hand loom.

Children will finish by braiding wool into a colourful bracelet to take home.

After the activity, they can visit a Toy Farm stand for a free charm for their bracelet!

Each session accommodates 50 children, with this fun and educational activity designed to spark creativity and connect the next generation with Queensland's wool industry - one strand at a time.

WOOL

Meet Nigel a Sheep Farmer / Ekka Meet a Farmer w/ Sammie O'Brien

Sammie pays a visit to Mount Acot Merino Stud in Mitchell, Queensland. There she meets Nigel Brumpton, a wool producer who's been breeding award-winning Merino sheep for all his life. https://youtu.be/hKmf_HbOxUs

Australian Wool Innovation: Learn About Wool (Accessible for all ages)

This Is Wool: https://youtu.be/3Jk3yZSk-XM
The Innovator: https://youtu.be/ZtHZyJTfvHc

Posters from Learn About Wool

From farm to fashion:
https://www.learnaboutwool.com/globalassets/law/resources/posters/gd2139-a2-education-posters_7.pdf

From the Yarn:
https://www.learnaboutwool.com/globalassets/law/resources/posters/gd1477-sam-the-lamb-poster-2017.pdf

Fact Sheets from Learn About Wool

Properties of wool:
https://www.learnaboutwool.com/globalassets/law/resources/factsheets/primary/gd3262-primary-fact-sheets_m.pdf

Wool is 100% biodegradable:
https://www.learnaboutwool.com/globalassets/law/resources/factsheets/primary/gd3262-primary-fact-sheets_u.pdf

Worksheets from Learn About Wool

My Sheep Paddock:
https://www.learnaboutwool.com/globalassets/law/lesson-plans/f/science/needs-of-sheep/my-sheep-paddock.pdf

Properties of Materials:
https://www.learnaboutwool.com/globalassets/law/lesson-plans/y4/science/properties-of-wool/worksheets/properties-of-materials.pdf

11 LITTLE BACKYARD FARMERS

Presented by Somerville House

Dig, plant, and compost as you learn how to grow your own food and care for the Earth!

Step into the world of urban farming at Little Backyard Farmers presented by Somerville House, a hands-on, educational experience designed to teach kids about growing their own food and caring for the environment.

The interactive activity features five engaging stations that explore the importance of sustainability, composting, planting, and nurturing plants - all in a fun way.

Children begin their adventure in the Chicken Coop, hunting for hidden eggs and learning about life cycles and hen-keeping. Then, in the Flowers and Bees garden, they collect pollen discs and discover how bees help plants grow.

At the Planting Station, kids plant seeds and learn to care for vegetables. In the Harvesting Zone, they pick play produce like lettuce and carrots while exploring how long crops take to grow.

In the Fruit Orchard, children water trees, pick fruit, and test their knowledge of fruits vs. vegetables.

From garden bed to basket, Little Backyard Farmers invites kids to dig in and learn where their food comes from.

LITTLE BACKYARD FARMERS

Local Land Services: Kids Compost - Video (Accessible for all ages)

Composting is a vital practice that turns everyday waste into valuable resources. Discover how food scraps and garden waste can be transformed into nutrient-rich compost. Join experts Rob Niccol and Peter Conasch as they guide us through the process and share the benefits of composting in our communities and farms.
https://www.youtube.com/watch?v=G0f6XNMDb64

Junior Landcare: Creating Compost (Accessible for all ages)

You're going to create your very own compost! This activity will guide you through the simple steps needed to transform everyday waste into nutrient-rich soil.
https://juniorlandcare.org.au/print/?wpv-relationship-filter=65635&post_ids=65635

Junior Landcare: Soil - More than Just Dirt (Accessible for all ages)

Explore different soil textures and uncover their unique properties! In this hands-on activity, children will engage in simple soil testing to understand how each type of soil contributes to plant growth.
https://juniorlandcare.org.au/learning_activity/soil-more-than-just-dirt/

Junior Landcare: Investigating the Soil Food Web (Accessible for all ages)

n every square meter of soil, millions of organisms thrive, forming what we call the soil food web. This intricate system recycles nutrients, making them available for plant growth. This activity encourages hands-on exploration of soil samples to uncover evidence of these tiny organisms.
https://juniorlandcare.org.au/learning_activity/investigating-the-soil-food-web/

Ekka
ROYAL QUEENSLAND SHOW

CURRICULUM ALIGNMENT

The following pages identify the links to Version 8.4 and Version 9 of the Australian Curriculum, as well as the relevant General Capabilities and Cross-curricular Priorities.

ALIGNMENT TO EKKA'S EDUCATION LEARNING TRAIL

The Cotton trail point allows students to explore plant life cycles and materials by learning how cotton is grown, harvested, and processed into fabric, directly supporting biological and chemical science learning about natural fibres and sustainability.

The Pineapple trail point enables students to investigate fruit production, plant biology, and agricultural systems, deepening their understanding of seasonal growth patterns, human impact on the environment, and sustainable horticulture.

The Bananas trail point supports biological science learning by helping students explore where food comes from, the needs and structure of living things, and how farming supports plant life and human consumption.

The Grain – Harvest to Home trail point engages students in observing the transformation of wheat into cookies, reinforcing concepts from chemical sciences through physical and chemical changes in food and materials.

The Eggs trail point teaches students about animal life cycles, food safety, and nutrition, connecting biological and chemical sciences with real-world applications in food preparation and healthy living.

The Bees – Apiculture trail point gives students the opportunity to learn about pollination, life cycles, and the interdependence of living things within ecosystems, supporting key biological science concepts.

The GOATS x Meat & Livestock Australia trail point introduces students to food chains, sustainable livestock farming, and environmental care, aligning with outcomes in biological sciences and human impacts on ecosystems.

The Strawberry Sundae Lane trail point provides hands-on experiences related to plant biology, agricultural production, and material changes, linking to both biological and chemical sciences through everyday food processing.

The Sugarcane trail point helps students investigate how a single plant can be used for multiple products, connecting concepts in chemical sciences, renewable resources, and the science behind innovation in agriculture.

The Wool trail point enables students to explore the journey from animal to textile, supporting learning about natural fibres, the properties of materials, and biological sciences focused on animals and their products.

The Little Backyard Farmers trail point allows students to engage in planting, composting, and harvesting, providing hands-on learning in biological sciences and sustainability through exploration of plant life cycles and human-nature relationships.

SCIENCE CURRICULUM LINKS

FOUNDATION

VERSION 8.4

Science as a Human Endeavour: Nature and Development of Science

Science involves observing, asking questions about, and describing changes in objects and events (ACSHE013)

Science Inquiry Skills: Planning and Conducting

Participate in guided investigations to explore and answer questions (ACSIS011)

VERSION 9

Science as a Human Endeavour: Use and influence of science

Explore the ways people make and use observations and questions to learn about the natural world (AC9SFH01)

Science Inquiry Skills: Planning and Conducting

Engage in investigations safely and make observations using their senses (AC9SFI02)

GRADE ONE

VERSION 8.4

Science Understanding: Biological Sciences

Living things have a variety of external features (ACSSU017)

Science as a Human Endeavour: Use and Influence of Science

People use science in their daily lives, including when caring for their environment and living things (ACSHE022)

VERSION 9

Science Understanding: Biological Sciences

Identify the basic needs of plants and animals, including air, water, food or shelter, and describe how the places they live meet those needs (AC9S1U01)

Science as a Human Endeavour: Use and Influence of Science

Describe how people use science in their daily lives, including using patterns to make scientific predictions (AC9S1H01)

Ekka ROYAL QUEENSLAND SHOW SCIENCE CURRICULUM LINKS

GRADE TWO

VERSION 8.4

Science as a Human Endeavour: Use and Influence of Science

People use science in their daily lives, including when caring for their environment and living things (ACSHE035)

Science Inquiry Skills: Planning and Conducting

Participate in guided investigations to explore and answer questions (ACSIS038)

VERSION 9

Science as a Human Endeavour: Use and Influence of Science

Describe how people use science in their daily lives, including using patterns to make scientific predictions (AC9S2H01)

Science Inquiry Skills: Planning and Conducting

Suggest and follow safe procedures to investigate questions and test predictions (AC9S2I02)

GRADE THREE

VERSION 8.4

Science Understanding: Biological Sciences

Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044)

Science as a Human Endeavour: Use and Influence of Science

Science knowledge helps people to understand the effect of their actions (ACSHE051)

VERSION 9

Science Understanding: Biological Sciences

Compare characteristics of living and non-living things and examine the differences between the life cycles of plants and animals (AC9S3U01)

Science as a Human Endeavour: Use and Influence of Science

Consider how people use scientific explanations to meet a need or solve a problem (AC9S3H02)

GRADE FOUR

VERSION 8.4

Science Understanding: Biological Sciences

Living things depend on each other and the environment to survive (ACSSU073)

Science as a Human Endeavour: Use and Influence of Science

Science knowledge helps people to understand the effect of their actions (ACSHE062)

VERSION 9

Science Understanding: Biological Sciences

Explain the roles and interactions of consumers, producers and decomposers within a habitat and how food chains represent feeding relationships (AC9S4U01)

Science as a Human Endeavour: Use and Influence of Science

Consider how people use scientific explanations to meet a need or solve a problem (AC9S4H02)

GRADE FIVE

VERSION 8.4

Science Understanding: Biological Sciences

Living things have structural features and adaptations that help them to survive in their environment (ACSSU043)

Science as a Human Endeavour: Use and Influence of Science

Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)

VERSION 9

Science Understanding: Biological Sciences

Examine how particular structural features and behaviours of living things enable their survival in specific habitats (AC9S5U01)

Science as a Human Endeavour: Use and Influence of Science

Investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions (AC9S5H02)

GRADE SIX

VERSION 8.4

Science Understanding: Biological Sciences

The growth and survival of living things are affected by physical conditions of their environment (ACSSU094)

Science as a Human Endeavour: Use and Influence of Science

Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE100)

VERSION 9

Science Understanding: Biological Sciences

Investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions (AC9SU01)

Science as a Human Endeavour: Use and Influence of Science

Investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions (AC9S6H02)

GENERAL CAPABILITIES & CROSS CURRICULUM PRIORITIES

Creative & Critical Thinking

Literacy

Personal & Social Capability

Numeracy

Information & Communication Technology

Ethical Understanding

Sustainability

DESIGN AND TECHNOLOGIES CURRICULUM LINKS

ALIGNMENT TO EKKA'S EDUCATION LEARNING TRAIL

The Cotton trail point enables students to explore how cotton is produced and processed into textiles, linking to knowledge about food and fibre production and the sustainable use of resources in product design.

The Pineapple trail point encourages students to consider how agricultural products are grown, marketed, and presented, promoting understanding of design for community and cultural significance and fibre systems.

The Bananas trail point engages students with growers and food preparation processes, supporting the development of food solutions and awareness of how food is grown, processed, and consumed sustainably.

The Grain – Harvest to Home trail point provides hands-on opportunities for students to explore the journey from grain to cookie, highlighting production processes, material properties, and designed food solutions.

The Eggs trail point allows students to participate in the full paddock-to-plate cycle, building skills in food preparation, safe handling, and nutritional design within a healthy eating context.

The Bees – Apiculture trail point helps students understand the essential role bees play in pollination and food systems, deepening their knowledge of animal production systems and sustainable fibre and food technologies.

The GOATS x Meat & Livestock Australia trail point immerses students in meat production systems, supporting understanding of ethical and sustainable food design and the role of technology in improving agricultural processes.

The Strawberry Sundae Lane trail point invites students to explore how natural materials are transformed into designed products like cones, ice cream, and toppings, linking food production with sustainability and innovation.

The Sugarcane trail point encourages students to explore the versatility of sugarcane as a material, learning how it is processed into a range of products and supporting innovation in sustainable resource use.

The Wool trail point gives students a hands-on experience in turning raw wool into usable products, promoting understanding of material properties, fibre design, and sequential production processes.

The Little Backyard Farmers trail point engages children in designing and participating in sustainable food systems, supporting learning about food security, resource use, and plant care through practical garden-based tasks.

***AIMS SOURCED FROM AUSTRALIAN CURRICULUM**

DESIGN AND TECHNOLOGIES CURRICULUM LINKS

RELEVANT SUSTAINABILITY CROSS-CURRICULAR PRIORITIES

- The role of world views (sets of attitudes, values and beliefs) that shape individual and community ideas about how the world works and our role in the world
- The role of innovation and creativity in sustainably designed solutions, including products, environments and services, that aim to reduce present and future impacts or to restore the health or diversity of environmental, social and economic systems
- Ways of thinking and acting that seek to empower young people to design action that will lead to an equitable, sustainable and inclusive future

AIMS SOURCED FROM AUSTRALIAN CURRICULUM

FOUNDATION TO YEAR TWO

VERSION 8.4

Design and Technologies: Knowledge and Understanding

Identify how people design and produce familiar products, services and environments and consider sustainability to meet personal and local community needs (ACTDEK001)

Explore how plants and animals are grown for food, clothing and shelter and how food is selected and prepared for healthy eating (ACTDEK003)

VERSION 9 (FOUNDATION)

Design and Technologies: Knowledge and Understanding – Technologies and Society

Explore how familiar products, services and environments are designed by people (AC9TDEFK01)

VERSION 9 (GRADE 1 TO 2)

Design and Technologies: Knowledge and Understanding – Technologies and Society

Identify how familiar products, services and environments are designed and produced by people to meet personal or local community needs and sustainability (AC9TDE2K01)

Design and Technologies: Knowledge and Understanding – Food and Fibre Production

Explore how plants and animals are grown for food, clothing and shelter (AC9TDE2K03)

DESIGN AND TECHNOLOGIES CURRICULUM LINKS

GRADE THREE & FOUR

VERSION 8.4

Design and Technologies: Knowledge and Understanding

Recognise the role of people in design and technologies occupations and explore factors, including sustainability that impact on the design of products, services and environments to meet community needs (ACTDEK010)

Investigate food and fibre production and food technologies used in modern and traditional societies (ACTDEK012)

VERSION 9

Design and Technologies: Knowledge and Understanding – Technologies and Society

Examine design and technologies occupations and factors including sustainability that impact on the design of products, services and environments to meet community needs (AC9TDE4K01)

Design and Technologies: Knowledge and Understanding – Food and Fibre Production

Describe the ways of producing food and fibre (AC9TDE4K03)

DESIGN AND TECHNOLOGIES CURRICULUM LINKS

GRADE FIVE AND SIX

VERSION 8.4

Design and Technologies: Knowledge and Understanding

Examine how people in design and technologies occupations address competing considerations, including sustainability in the design of products, services and environments for current and future use (ACTDEK019)

Investigate how and why food and fibre are produced in managed environments and prepared to enable people to grow and be healthy (ACTDEK021)

VERSION 9

Design and Technologies: Knowledge and Understanding – Technologies and Society

Explain how people in design and technologies occupations consider competing factors including sustainability in the design of products, services and environments (AC9TDE6K01)

Design and Technologies: Knowledge and Understanding – Food and Fibre Production

Explain how and why food and fibre are produced in managed environments (AC9TDE6K03)

GENERAL CAPABILITIES & CROSS CURRICULUM PRIORITIES

Creative & Critical Thinking

Literacy

Personal & Social Capability

Numeracy

Information & Communication Technology

Ethical Understanding

Sustainability

ALIGNMENT TO EKKA'S EDUCATION LEARNING TRAIL

The Cotton trail point introduces students to the Australian cotton industry, highlighting how natural resources are used in agricultural production and the role of cotton in supporting rural communities and national trade.

The Pineapple trail point showcases the cultural and historical significance of Queensland's pineapple industry while drawing attention to changing consumer trends and economic sustainability in horticulture.

The Bananas trail point gives students a chance to meet growers and understand the supply chain, deepening their knowledge of food production, regional economies, and consumer impact in everyday life.

The Grain – Harvest to Home trail point allows students to explore the transformation of wheat from paddock to plate, linking resource use with economic activity and illustrating the importance of agriculture in society.

The Egg trail point helps students understand the journey from farm to table, while also exploring nutrition, food safety, and the role of agriculture in sustaining healthy communities.

The Bees – Apiculture trail point introduces students to the environmental and economic role of bees in pollination, food production, and sustainability, emphasizing human-environment interdependence.

The GOATS x Meat & Livestock Australia trail point offers students an immersive view into livestock farming, helping them understand the role of rural industries, land use, and technological advancements in food systems.

The Strawberry Sundae Lane trail point connects students with the origins of everyday food items, illustrating the links between farming regions, resource processing, and local economic and cultural traditions.

The Sugarcane trail point allows students to explore a multi-use crop and its contribution to regional development, sustainability practices, and Australia's agricultural economy.

The Wool Workshop trail point gives students hands-on experience with a key Australian export, encouraging understanding of historical agricultural practices, rural livelihoods, and the significance of natural fibres.

The Little Backyard Farmers trail point introduces students to urban agriculture and sustainable living, supporting learning about resource management, local food systems, and responsible environmental practices.

HUMANITIES AND SOCIAL SCIENCES CURRICULUM LINKS

FOUNDATION

VERSION 8.4

Humanities and Social Sciences: Geography

The places people live in and belong to, their familiar features and why they are important to people (ACHASSK015)

Reflect on learning to propose how to care for places and sites that are important or significant (ACHASSI009)

VERSION 9

Humanities and Social Sciences: Geography

The features of familiar places they belong to, why some places are special and how places can be looked after (AC9HSFK03)

GRADE ONE

VERSION 8.4

Humanities and Social Sciences: Geography

The natural, managed and constructed features of places, their location, how they change and how they can be cared for (ACHASSK031)

Reflect on learning to propose how to care for places and sites that are important or significant (ACHASSI026)

VERSION 9

Humanities and Social Sciences: Geography

The natural, managed and constructed features of local places, and their location (AC9HS1K03)

HUMANITIES AND SOCIAL SCIENCES CURRICULUM LINKS

GRADE TWO

VERSION 8.4

Humanities and Social Sciences: Geography

The connections of people in Australia to people in other places in Australia and across the world (ACHASSK050)

Reflect on learning to propose how to care for places and sites that are important or significant (ACHASSI026)

VERSION 9

Humanities and Social Sciences: Geography

How places can be spatially represented in geographical divisions from local to regional to state/territory, and how people and places are interconnected across those scales (AC9HS2K03)

GRADE THREE

VERSION 8.4

Humanities and Social Sciences: Geography

The similarities and differences between places in terms of their type of settlement, demographic characteristics and the lives of the people who live there, and people's perceptions of these places (ACHASSK069)

The main climate types of the world and the similarities and differences between the climates of different places (ACHASSK068)

VERSION 9

Humanities and Social Sciences: Geography

The similarities and differences between places in Australia and neighbouring countries in terms of their natural, managed and constructed features (AC9HS3K05)

HUMANITIES AND SOCIAL SCIENCES CURRICULUM LINKS

GRADE FOUR

VERSION 8.4

Humanities and Social Sciences: Geography

The importance of environments, including natural vegetation, to animals and people (ACHASSK088)

The use and management of natural resources and waste, and the different views on how to do this sustainably (ACHASSK090)

VERSION 9

Humanities and Social Sciences: Geography

The importance of environments, including natural vegetation and water sources, to people and animals in Australia and on another continent (AC9HS4K05)

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

GRADE FIVE

VERSION 8.4

Humanities and Social Sciences: Geography

The environmental and human influences on the location and characteristics of a place and the management of spaces within them (ACHASSK113)

Humanities and Social Sciences: Economics and Business

Types of resources (natural, human, capital) and the ways societies use them to satisfy the needs and wants of present and future generations (ACHASSK120)

VERSION 9

Humanities and Social Sciences: Geography

The management of Australian environments, including managing severe weather events such as bushfires, floods, droughts or cyclones, and their consequences (AC9HS5K05)

GRADE SIX

VERSION 8.4

Humanities and Social Sciences: Geography

The effects that people's connections with, and proximity to, places throughout the world have on shaping their awareness and opinion of those places (ACHGK036)

Humanities and Social Sciences: Economics and Business

How the concept of opportunity cost involves choices about the alternative use of resources and the need to consider trade-offs (ACHASSK149)

VERSION 9

Humanities and Social Sciences: Geography

The geographical diversity and location of places in the Asia region, and its location in relation to Australia (AC9HS6K04)

GENERAL CAPABILITIES & CROSS CURRICULUM PRIORITIES

Ekka
ROYAL QUEENSLAND SHOW

LEARNING TRAIL PASSPORT ANSWERS

Ekka
ROYAL QUEENSLAND SHOW

LEARNING TRAIL PASSPORT ANSWERS

1 COTTON
by Cotton Australia

Discover how cotton grows on farms and turns into the clothes you wear every day!

Paddock to Product

Cotton is used to make clothing. What else is it used for?

- MEDICAL SUPPLIES
- TEXTILES AND HOME GOODS
- FOOD AND BY-PRODUCTS

Does cotton grow on trees or on plants? Illustrate your answer with a drawing.

COTTON GROWS ON PLANTS....

What part of the cotton plant is harvested to make fabric?

- [ ] The leaves
- [ ] The roots
- [x] The cotton ball

When is cotton usually harvested in Australia?

- [x] Autumn
- [ ] Summer
- [ ] Winter

Trail Stamp 1

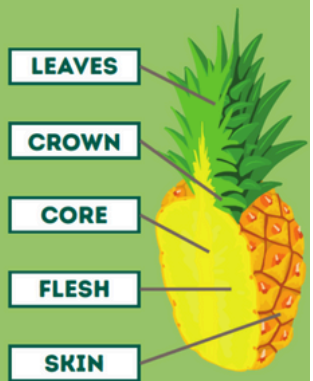
2 PINEAPPLE
by National Pineapple Association

Watch pineapples being cut and juiced, then taste a sweet sample straight from the farm!

Pine to Plate

Shade in the part of QLD where pineapples grow:

Label the parts of a pineapple:



- LEAVES
- CROWN
- CORE
- FLESH
- SKIN

Where are most Australian pineapples grown?

- [x] Queensland
- [ ] Tasmania
- [ ] Victoria

How are pineapples grown?

- [ ] On trees
- [x] On the ground
- [ ] Under the ground

Trail Stamp 2

3 BANANAS
by Australian Bananas

Blend your own banana smoothie, meet real banana farmers and see a giant bunch up close

Bunch to Bowl

Let's learn all about bananas! Watch the Anna Bananas video and answer the questions below.

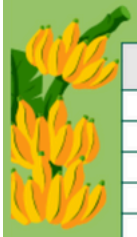
How long does it take for bananas to grow after planting? **12 MONTHS**

How many bananas can grow in one bunch? **UP TO 200**

How often do farmers look after banana trees? **EVERY DAY**

Bananas are a great source of natural carbs, vitamin B6, and **POTASSIUM**

Use the diagram or video at Australian bananas to fill in the missing percentages for each nutrient. Write your answers in the blanks below!



NUTRIENT	AMOUNT	% OF DAILY NEEDS
VITAMIN B6	0.2MG	13%
FOLATE	48MCG	17%
VITAMIN C	4MG	10%
FIBRE	2.4G	8%
MAGNESIUM	31MG	10%

What do banana trees love?

- [ ] Digging holes
- [x] Water
- [ ] Tractors

What are bananas packed full of?

- [x] Energy
- [ ] Leaves
- [ ] Sugar

Trail Stamp 3

4 GRAIN
presented by Manildra

Grind, knead and bake your way from grain to cookie in a hands-on baking adventure!

Harvest to Home

Use the word bank to fill in the missing words that explain how wheat is turned into grain.

1. Wheat is first **GROWN** in the paddock.
2. When the wheat is ready, it is **HARVESTED** using big machines called harvesters.
3. The harvester separates the grain from the rest of the plant. This is called **THRESHING**
4. The grain is then **CLEANED** to remove any dirt or plant pieces.
5. Finally the clean grain is **STORED** in silos until it is ready to be used.

cleaned
harvested
threshing
stored
grown

Find and circle the foods that are made using wheat.

How long have humans been growing wheat?

- [ ] 100 years
- [ ] 1,000 years
- [x] Over 10,000 years

What kind of places are best for growing wheat?

- [ ] Dark forests
- [x] Flat, sunny fields
- [ ] Cold mountains

Trail Stamp 4

LEARNING TRAIL PASSPORT ANSWERS

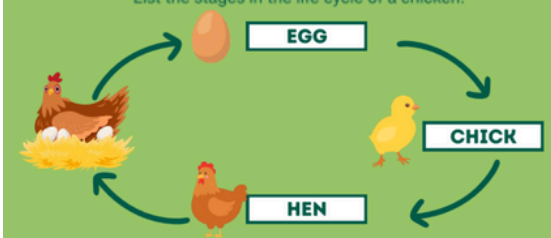
5 GET KIDS COOKING!

presented by Australian Eggs

Crack into the fun with an eggs-traordinary experience where young chefs discover the power of eggs in a healthy, balanced diet.

Hen to Home

List the stages in the life cycle of a chicken.



Write three reasons why eggs are good for you

1. **FULL OF PROTEIN**
   Eggs help build strong muscles because they have all the important building blocks your body needs.
2. **PACKED WITH GOOD STUFF**
   Eggs have lots of vitamins and minerals that help you stay healthy, grow strong, and think clearly.
3. **GOOD FOR YOUR HEART AND EYES**
   Eggs can help your heart stay healthy and protect your eyes so you can see well for a long time.

Eating eggs can help you feel...

- [ ] Sleepy
- [ ] Thirsty
- [x] Full and satisfied

Which part of the egg contains most of the vitamins and minerals?

- [ ] Egg white
- [ ] Egg shell
- [x] Egg yolk

Trail Stamp 5

6 BEES - APICULTURE

by Queensland Beekeepers' Association

Visit the bees, find the queen and taste their delicious honey while learning how they help plants grow!

Hive to Honey

Write the correct bee body part next to each pointer.

Help the bee complete its pollination mission!

Help the bees by finishing the honeycomb!

What do bees collect from flowers?

- [x] Nectar
- [ ] Pollen
- [ ] Seeds

What do bees make inside their hive?

- [ ] Jam
- [x] Honey
- [ ] Butter

Trail Stamp 6

7 GOATS & MLA

presented by MLA Good Meats Education

Stepinto a virtual farm and see how Aussie meat gets from paddock to plate!

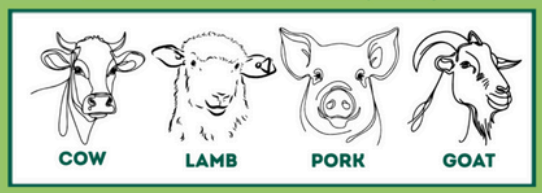
Paddock to Plate

Unscramble the words.

vlisotkec	teropni	rzgigna	aemt
LIVESTOCK	PROTEIN	GRAZING	MEAT

Draw an animal that red meat comes from.

Bonus: Write one fact about how red meat helps the body



What nutrient does red meat give your body?

- [x] Iron
- [ ] Sugar
- [ ] Vitamin D

Where does red meat start its journey?

- [ ] Supermarket
- [x] Farm
- [ ] Butcher

Trail Stamp 7

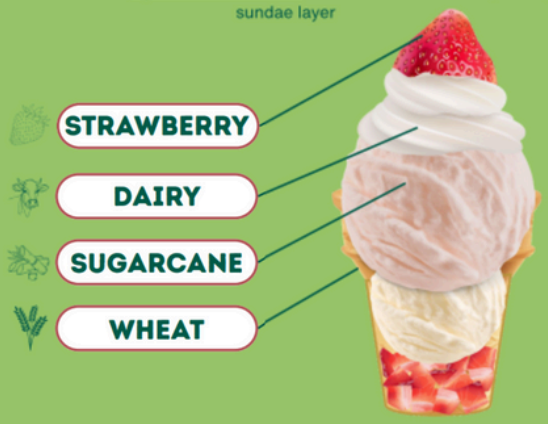
8 STRAWBERRY SUNDAE LANE

presented by BOQ

An educational activation that brings one of the Show's most iconic treats - the strawberry sundae - to life through engaging and interactive experiences.

Farm to Freeze

Name the four agricultural industries that relate to the corresponding sundae layer



Approximately how many seeds are on a strawberry?

- [ ] 100
- [x] 200
- [ ] 300

What vitamin are strawberries full of that keeps you healthy?

- [ ] Vitamin A
- [ ] Vitamin B
- [x] Vitamin C

Trail Stamp 8

LEARNING TRAIL PASSPORT ANSWERS

9 SUGARCANE
by Canegrowers

Explore sugarcane, meet creepy cane pests and take a VR trip from paddock to packet!

Paddock to Packet

Draw a line to match each part of the sugarcane to what it can help make:

What is the approximate economic benefit of the QLD sugarcane industry?

- [x] $1.15 Billion
- [ ] $6 Million
- [ ] $500 Million

How many jobs does the QLD sugarcane industry support?

- [ ] 10,500
- [ ] 16,000
- [x] 22,000

Trail Stamp 9

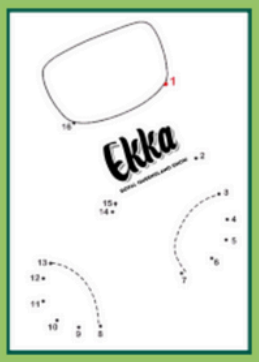
10 WOOL WORKSHOP
presented by Toy Farm

Meet the sheep and make your own colourful wool bracelet from fleece you've spun and dyed yourself!

Farm to Fashion

Number the pictures to put the wool process in order.

Connect the dots to find a clothing item made from wool:



What natural dye can turn wool yellow?

- [ ] Beetroot
- [x] Turmeric
- [ ] Carrot

How often is a sheep usually sheared?

- [ ] Once a month
- [x] Once a year
- [ ] Every five years

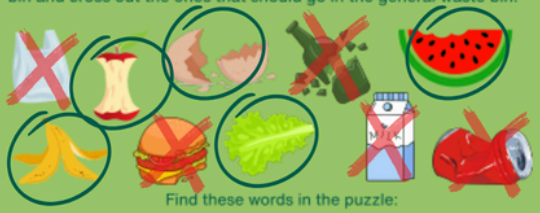
Trail Stamp 10

11 LITTLE BACKYARD FARMERS
presented by Somerville House

Dig, plant, and compost as you learn how to grow your own food and care for the Earth!

Greens to Goodies

Look at the list of items below. Circle the ones that can go in the compost bin and cross out the ones that should go in the general waste bin.



Find these words in the puzzle:

A	S	R	Z	K	W	O	M	D	A
N	O	O	O	Y	P	L	A	N	T
J	I	O	F	D	U	A	H	A	I
G	L	T	B	K	T	V	K	V	L
J	X	S	U	U	P	G	B	N	G
N	Z	Z	U	Z	Y	R	H	A	X
W	A	T	E	R	W	O	D	F	V
L	S	Q	G	J	C	W	Z	A	J
E	U	J	F	P	R	Y	D	L	B
H	N	F	P	S	E	E	D	Z	U

SEED
SOIL
WATER
SUN
PLANT
GROW
ROOTS

What does a plant need to grow?

- [x] Water
- [x] Sunlight
- [x] Soil

Why are worms important in composting?

- [ ] To scare birds
- [x] To make soils
- [ ] To eat rocks

Trail Stamp 11

Ekka

ROYAL QUEENSLAND SHOW

INTERNATIONAL AWARD WINNERS

The Royal Queensland Show (Ekka) is recognised for its excellence, over many years, by winning numerous awards at the International Fairs & Expos (IAFE) Awards.

IAFE has more than 1,000 members representing agricultural fairs from the United States, Canada, the United Kingdom, and Australia.

These awards represent the continued dedication the Ekka plays in bridging the country city divide, and educating the next generation on the essential role farming and agriculture plays in their everyday lives.