Ekka

ROYAL QUEENSLAND SHOW

CURRICULUM ALIGNMENT & CLASSROOM RESOURCES

RURAL DISCOVERY DAY



Foundation - 6

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EXCURSION OVERVIEW

A world of discovery awaits students at Rural Discovery Day!

The engaging, educational program brings the country to the city to teach primary school students that food and fibre comes from farms, not shopping centres, by guiding them through six immersive agricultural activities, linked to the Australian curriculum.

This exciting hands-on day will see students go through an amazing sensory experience as they touch and taste their way through informative interactive sessions.

DOCUMENT INFORMATION

These resources are purpose built for students in Foundation to Grade 6, who attend Rural Discovery Day excursions to encourage pre- and post-excursion learning.

Each session at Rural Discovery Day has corresponding videos, activities and worksheets for teachers and students from agricultural industry experts that highlight the value of exploring agriculture in the classroom. The included links provide teachers with direct access to numerous learning opportunities, all with curriculum alignment and grade accessibility information. The resources supplied have both digital and hands-on materials for students to build connections between the importance of food and fibre and their everyday lives.



IMPORTANT CONTACTS

Rural Discovery Day Enquiries

NKennedy@rna.org.au

Education Content Enquiries

education@ekka.com.au

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RURAL DISCOVERY DAY SNEAK PEEK

Come with us on an exciting ag-venture! Our Ekka TV from the 2025 and 2024 Rural Discovery Day showcases the amazing, sensory opportunities for students at this excursion.
Please note: the sessions are changed year on year!

Milking a Cow: Dairy & Cream Edition 🐄🥛✨



Students Build a Scarecrow 👩‍🌾



Students Learn About Agriculture / Ekka TV Rural Discovery Day 2024



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RURAL DISCOVERY DAY WORKSHOPS

Rural Discovery Day includes six curriculum-aligned, immersive agricultural activities with accompanying classroom resources provided to support learning before and after the event.

**Please note these activations may be subject to change.



QLD Beef Up Close Workshop

Students will explore different cattle breeds, gain insights into farming practices, and enjoy hands-on opportunities to connect with the animals and the people in the industry.



Bees - Foundation of Agriculture Workshop

Students will discover the vital role bees play in pollination, sustainable honey production and healthy ecosystems. They'll meet working beekeepers, observe live (safely contained!) bees, explore their roles in the hive and taste delicious honey.



Butter Barn Workshop

Students will explore how milk from dairy cows is transformed into delicious dairy products through five interactive activities, before churning, shaping and creating their own fresh butter.



Funny Food Workshop

Students will explore food production, healthy eating and food waste, discovering the importance of reducing waste, making sustainable food choices and embracing imperfect fruit and vegetables.



Sheep Dog Mustering Workshop

Students will discover the important role working dogs play as skilled sheep dogs demonstrate their natural instincts, mustering sheep through exciting challenges and showcasing how farmers and their dogs work together to manage livestock.



Sugarcane Workshop

Students will explore the sweet journey of sugar, from paddock to packet-tasting, touching, and discovering how sugarcane is grown, processed, and reused. They'll learn how every part of the plant is valued and plant their own sugarcane.



CURRICULUM ALIGNMENT

FOUNDATION

Achievement Standard

Students recognise the features of familiar places, why some places are special to people and the ways they can care for them. By the end of Foundation students group plants and animals based on external features. They describe the observable properties of the materials that make up objects.They share questions, predictions, observations and ideas about their experiences with others. Students follow steps and use materials and equipment to safely make a designed solution for a school-selected context. They follow steps and use materials and equipment to safely make a designed solution. They demonstrate personal and social skills to interact respectfully with others. Students identify the benefits of being physically active and how rules make play fair and inclusive.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

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

Science

Explore the ways people make and use observations and questions to learn about the natural world (AC9SFH01)
Engage in investigations safely and make observations using their senses (AC9SFI02)

Design and Technologies

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

Health and Physical Education

Practice personal and social skills to interact respectfully with others (AC9HPFP02)
Participate in a range of activities in natural and outdoor settings and explore the benefits of being physically active (AC9HPFM03)







CURRICULUM ALIGNMENT

YEAR 1

Achievement Standard

They identify the location and nature of the natural, managed and constructed features of local places, the ways places change, and how they can be cared for by people. By the end of Year 1 students identify how living things meet their needs in the places they live. They identify daily and seasonal changes and describe ways these changes affect their everyday life. They explain why health information is important for making choices. Students apply fundamental movement skills in different movement situations and explain how they move with objects and in space effectively. Students develop and apply rules while collaborating with others in a range of movement contexts.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

The natural, managed and constructed features of local places, and their location (AC9HS1K03)
How places change and how they can be cared for by different groups including First Nations Australians (AC9HS1K04)

Science

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

Design and Technologies

Identify how familiar products, services and environments are designed and produced by people to meet personal or local community needs and sustainability (AC9TDE2K01)
Explore how plants and animals are grown for food, clothing and shelter (AC9TDE2K03)

Health and Physical Education

Co-construct and apply rules to promote fair play in a range of physical activities (AC9HP2M04)
Apply strategies to work collaboratively when participating in physical activities (AC9HP2M05)

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CURRICULUM ALIGNMENT

YEAR 2

Achievement Standard

They identify the effects of changes in technologies on people's lives. They identify how people and places are interconnected both at local and broader scales. They explain why health information is important for making choices. Students apply fundamental movement skills in different movement situations and explain how they move with objects and in space effectively. Students develop and apply rules while collaborating with others in a range of movement contexts.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

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)
Develop questions about objects, people, places and events in the past and present (AC9HS2S01)

Design and Technologies

Identify how familiar products, services and environments are designed and produced by people to meet personal or local community needs and sustainability (AC9TDE2K01)
Explore how plants and animals are grown for food, clothing and shelter (AC9TDE2K03)

Health and Physical Education

Co-construct and apply rules to promote fair play in a range of physical activities (AC9HP2M04)
Apply strategies to work collaboratively when participating in physical activities (AC9HP2M05)







CURRICULUM ALIGNMENT

YEAR 3

Achievement Standard

By the end of Year 3, students describe the causes, effects and contributions of people to change. Students propose actions or responses. They interpret health information to apply strategies to enhance their own and others' health, safety, relationships and wellbeing. By the end of Year 3 students classify and compare living and non-living things and different life cycles. They describe the observable properties of soils, rocks and minerals and describe their importance as resources. By the end of Year 4 students describe how people design products, services and environments to meet the needs of people, including sustainability. Students plan and sequence steps and use technologies and techniques to safely produce designed solutions.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

Causes and effects of changes to the local community, and how people who may be from diverse backgrounds have contributed to these changes (AC9HS3K01)
The similarities and differences between places in Australia and neighbouring countries in terms of their natural, managed and constructed features (AC9HS3K05)

Science

Compare characteristics of living and non-living things and examine the differences between the life cycles of plants and animals (AC9S3U01)
Compare the observable properties of soils, rocks and minerals and investigate why they are important Earth resources (AC9S3U02)
Explain how forces affect movement (AC9S4P01)
Explain how natural processes impact Earth's surface (AC9S4E01)
Pose questions, plan investigations, record observations, compare results and communicate findings (AC9S4I01–AC9S4I05)

Digital Technologies

Investigate how data is collected, represented and interpreted by digital systems (AC9TDI4K01)
Explore how digital systems use hardware and software to process data (AC9TDI4K02)
Define problems with given design criteria and describe how digital solutions can address them (AC9TDI4P01)
Design and implement simple algorithms involving sequence, branching and iteration (AC9TDI4P02)
Acquire, store and validate data (AC9TDI4P03)
Test and debug digital solutions (AC9TDI4P04)



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CURRICULUM ALIGNMENT

YEAR 3 (CONT.)

Design and Technologies

Examine design and technologies occupations and factors including sustainability that impact on the design of products, services and environments to meet community needs (AC9TDE4K01)
Describe the ways of producing food and fibre (AC9TDE4K03)
Describe the ways food can be selected and prepared for healthy eating (AC9TDE4K04)
Explore needs or opportunities for designing, and test materials, components, tools, Equipment and processes needed to create designed solutions (AC9TDE4P01)
Sequence steps to individually and collaboratively make designed solutions (AC9TDE4P05)
Investigate how people design and produce products, services and environments to meet needs (AC9TDE4K01)
Explore the suitability of materials and components for a purpose (AC9TDE4K02)
Generate and communicate design ideas for a purpose (AC9TDE4P01)
Produce designed solutions using materials and components safely (AC9TDE4P02)
Evaluate designed solutions based on criteria (AC9TDE4P03)

Health and Physical Education

Interpret the nature and intention of health information and messages, and reflect on how they influence personal decisions and behaviours (AC9HP4P09)
Participate in physical activities in natural and outdoor settings to examine factors that can influence their own and others' participation (AC9HP4M05)

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy



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CURRICULUM ALIGNMENT

YEAR 4

Achievement Standard

Students describe the importance of environments, and sustainable allocation and management of resources. They interpret health information to apply strategies to enhance their own and others' health, safety, relationships and wellbeing. By the end of Year 4 students describe how people design products, services and environments to meet the needs of people, including sustainability. Students plan and sequence steps and use technologies and techniques to safely produce designed solutions. By the end of Year 4 students identify the roles of organisms in a habitat and construct food chains. They identify key processes in the water cycle and describe how water cycles through the environment.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

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)

Science

Explain the roles and interactions of consumers, producers and decomposers within a habitat and how food chains represent feeding relationships (AC9S4U01)
Explain how forces affect movement (AC9S4P01)
Explain how natural processes impact Earth's surface (AC9S4E01)
Pose questions, plan investigations, record observations, compare results and communicate findings (AC9S4I01–AC9S4I05)

Digital Technologies

Investigate how data is collected, represented and interpreted by digital systems (AC9TDI4K01)
Explore how digital systems use hardware and software to process data (AC9TDI4K02)
Define problems with given design criteria and describe how digital solutions can address them (AC9TDI4P01)
Design and implement simple algorithms involving sequence, branching and iteration (AC9TDI4P02)
Acquire, store and validate data (AC9TDI4P03)
Test and debug digital solutions (AC9TDI4P04)





CURRICULUM ALIGNMENT

YEAR 4 (CONT.)

Design and Technologies

Examine design and technologies occupations and factors including sustainability that impact on the design of products, services and environments to meet community needs (AC9TDE4K01)
Describe the ways of producing food and fibre (AC9TDE4K03)
Describe the ways food can be selected and prepared for healthy eating (AC9TDE4K04)
Explore needs or opportunities for designing, and test materials, components, tools, Equipment and processes needed to create designed solutions (AC9TDE4P01)
Sequence steps to individually and collaboratively make designed solutions (AC9TDE4P05)
Investigate how people design and produce products, services and environments to meet needs (AC9TDE4K01)
Explore the suitability of materials and components for a purpose (AC9TDE4K02)
Generate and communicate design ideas for a purpose (AC9TDE4P01)
Produce designed solutions using materials and components safely (AC9TDE4P02)
Evaluate designed solutions based on criteria (AC9TDE4P03)

Health and Physical Education

Interpret the nature and intention of health information and messages, and reflect on how they influence personal decisions and behaviours (AC9HP4P09)
Participate in physical activities in natural and outdoor settings to examine factors that can influence their own and others' participation (AC9HP4M05)

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy



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CURRICULUM ALIGNMENT

YEAR 5

Achievement Standard

By the end of Year 5 students explain how the form and behaviour of living things enables survival. They describe key processes that change Earth's surface. They explain the nature of resources, and how they meet needs and wants. They describe examples of collaboration leading to advances in science, and scientific knowledge that has changed over time. They identify examples where scientific knowledge informs the actions of individuals and communities. By the end of Year 6 students explain how people design products, services and environments to meet the needs of communities, including sustainability.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

The influence of people, including First Nations Australians and people in other countries, on the characteristics of a place (AC9HS5K04)
The management of Australian environments, including managing severe weather events such as bushfires, floods, droughts or cyclones, and their consequences (AC9HS5K05)

Science

Examine how particular structural features and behaviours of living things enable their survival in specific habitats (AC9S5U01)
Investigate how energy can be transferred and transformed (AC9S6P01)
Explain how forces affect motion and stability (AC9S6P02)
Describe how human activity influences environmental sustainability (AC9S6E01)
Plan investigations, collect and analyse data, identify variables, evaluate methods and communicate conclusions (AC9S6I01–AC9S6I06)

Digital Technologies

Investigate how digital systems represent and transmit data (AC9TDI6K01)
Examine the role of hardware and software in managing and controlling data (AC9TDI6K02)
Define problems and refine design criteria for digital solutions (AC9TDI6P01)
Design algorithms involving branching and iteration (AC9TDI6P02)
Implement and modify programs with user input and variables (AC9TDI6P03)
Evaluate digital solutions for effi ciency and effectiveness (AC9TDI6P04)







CURRICULUM ALIGNMENT

YEAR 5 (CONT.)

Design and Technologies

Explain how people in design and technologies occupations consider competing factors including sustainability in the design of products, services and environments (AC9TDE6K01)
Explain how and why food and fibre are produced in managed environments (AC9TDE6K03)
Explain how the characteristics of foods influence selection and preparation for healthy eating (AC9TDE6K04)
Analyse how technologies shape people's lives and communities (AC9TDE6K01)
Investigate the suitability of materials, systems and components (AC9TDE6K02)
Generate and refine design ideas considering sustainability (AC9TDE6P01)
Safely produce designed solutions (AC9TDE6P02)
Evaluate solutions against design criteria including sustainability and functionality (AC9TDE6P03)

Health and Physical Education

investigate different sources and types of health information and how these apply to their own and others' health choices (AC9HP6P09)
analyse how behaviours influence the health, safety, relationships and wellbeing of individuals and communities (AC9HP6P10)

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

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CURRICULUM ALIGNMENT

YEAR 6

Achievement Standard

By the end of Year 6 students explain how people design products, services and environments to meet the needs of communities, including sustainability. They explain the geographical diversity of places and the effects of interconnections with other countries. They analyse health information to refine strategies to enhance their own and others' health, safety, relationships and wellbeing. By the end of Year 6 students explain how changes in physical conditions affect living things. They develop project plans, including production processes, and select technologies and techniques to safely produce designed or digital solutions.

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

HASS

Australia's interconnections with other countries and how these change people and places (AC9HS6K05)
Influences on consumer choices and strategies that can be used to help make informed personal consumer and financial choices (AC9HS6K08)

Science

Investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions (AC9S6U01)
Investigate how energy can be transferred and transformed (AC9S6P01)
Explain how forces affect motion and stability (AC9S6P02)
Describe how human activity influences environmental sustainability (AC9S6E01)
Plan investigations, collect and analyse data, identify variables, evaluate methods and communicate conclusions (AC9S6I01–AC9S6I06)

Digital Technologies

Investigate how digital systems represent and transmit data (AC9TDI6K01)
Examine the role of hardware and software in managing and controlling data (AC9TDI6K02)
Define problems and refi ne design criteria for digital solutions (AC9TDI6P01)
Design algorithms involving branching and iteration (AC9TDI6P02)
Implement and modify programs with user input and variables (AC9TDI6P03)
Evaluate digital solutions for efficiency and effectiveness (AC9TDI6P04)

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CURRICULUM ALIGNMENT

YEAR 6 (CONT.)

Design and Technologies

explain how people in design and technologies occupations consider competing factors including sustainability in the design of products, services and environments (AC9TDE6K01)
explain how and why food and fibre are produced in managed environments (AC9TDE6K03)
explain how the characteristics of foods influence selection and preparation for healthy eating (AC9TDE6K04)
Analyse how technologies shape people's lives and communities (AC9TDE6K01)
Investigate the suitability of materials, systems and components (AC9TDE6K02)
Generate and refine design ideas considering sustainability (AC9TDE6P01)
Safely produce designed solutions (AC9TDE6P02)
Evaluate solutions against design criteria including sustainability and functionality (AC9TDE6P03)

Health and Physical Education

investigate different sources and types of health information and how these apply to their own and others' health choices (AC9HP6P09)
analyse how behaviours influence the health, safety, relationships and wellbeing of individuals and communities (AC9HP6P10)

Creative and critical thinking

Ethical understanding

Sustainability

Personal and social capacity

Literacy

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QLD BEEF UP CLOSE

Meet John a Beef Cattle Farmer / Meet a Farmer w/ Sammie O'Brien

Join our host Sammie O'Brien as she introduces you into the lives of one of Queensland's unspoken heroes – John a farmer from Kandanga Valley Stud in the Mary Valley, Queensland.
youtube.com/watch?v=U9l8_RK4ZK4



Australian Good Meat Education

Discover Australian Good Meat Education school resources supporting Foundation to Year 12 classrooms with curriculum-linked learning! Free to access these innovative materials will spark student curiosity as they explore real-world practices and gain an up-to-date understanding of the paddock to plate supply chain, sustainable production, technology and innovation, careers, advertising and marketing, health and nutrition and more!
www.goodmeat.com.au/educational-resources/

Australian Good Meat Education is an initiative of mla MEAT & LIVESTOCK AUSTRALIA





QLD BEEF UP CLOSE (CONT.)

Beef production and reducing carbon emissions

In Australia, we farm lots of different animals for meat, including sheep, pigs and poultry, but beef production is our largest agricultural industry. Most of the beef produced in Australia is exported to countries all around the world. On average, each Australian consumes 25 kilograms of beef per year.
https://www.abc.net.au/education/beef-production-and-reducing-carbon-emissions/14105424

Visiting the Farm - Foundation - 2

Years F - 2 'Visiting the farm' is a cross-curriculum unit, focused on the Design and Technologies, Science, Mathematics, English, HASS and associated elaborations. Sustainability as a cross-curriculum priority is emphasised, valuing the importance of environment in supporting and maintaining human life. Topics include Living things on the farm; Life cycles on the farm; Depending on each other; Livestock on the farm; Modelling changes on the farm; and Technology and food from the farm.
goodmeat.com.au/globalassets/good-meat-v2/education/teaching-resources/teacher/f-2/gme-teacher-f-2-lesson-overview-v1.pdf

Life on the Farm - Year 3 - 4

This resource is a cross curriculum unit, focused on Design and Technologies, Science, and many other areas of the curriculum. Sustainability as a cross-curriculum priority is also emphasised. Topics include Living things on the farm; Life cycles on the farm; Depending on each other; Livestock on the farm; Modelling changes on the farm; and Technology and food from the farm.
goodmeat.com.au/globalassets/good-meat-v2/education/teaching-resources/teacher/3-4/gme-teacher-3-4-lesson-overview-v1.pdf

From the Paddock to the Plate - Year 5 - 6

This resource is a cross curriculum unit, focused on Design and Technologies, Maths, and some other areas of the curriculum. Sustainability as a cross-curriculum priority is also emphasised. Topics include All about adaptations; From paddock to plate; Safety, sustainability and technology; The farming environment; Safe food preparation; and Healthy eating and nutrition.
goodmeat.com.au/globalassets/good-meat-v2/education/teaching-resources/teacher/5-6/gme-teacher-5-6-lesson-overview-v1.pdf





BEES - FOUNDATION OF AGRICULTURE

Creating a Bee Hotel

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/



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

Australian Honey Bee INDUSTRY COUNCIL

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CLASSROOM RESOURCES

BEES - FOUNDATION OF AGRICULTURE (CONT.)

Landline: Bees and the Ecosystem - F - 6

Most bees provide a free pollination service. While collecting pollen and nectar to make honey, they spread pollen from flower to flower, allowing them to reproduce.
https://www.abc.net.au/education/landline-bees-and-the-ecosystem/13910318

How Honey is Made

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

How to Create a Bee-Friendly Garden

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!
capilanohoney.com/learn/bee-garden/

Getting the buzz on bees and other beneficial insects - F - 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.
juniorlandcare.org.au/learning_activity/getting-the-buzz-on-bees-and-other-beneficial-insects/

ABC Education: Kids in the Garden: Discover Flower Power - F - 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.
abc.net.au/education/kids-in-the-garden-ep-3-discover-flower-power/13633096

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CLASSROOM RESOURCES

BEES - FOUNDATION OF AGRICULTURE (CONT.)

Brilliant Bees - Year 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 - Years 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/

Investigate Bees - Years 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

Honey Bees: Survival, Sustainability and Science in Action - Years 5 - 6

The Honey Bees: Survival, Sustainability and Science in Action three-lesson resource explores the importance of European honey bees in Australian environments and agricultural production. Throughout these lessons, students examine the physical features and behaviours that support honey bee survival in Australian habitats, the challenges facing honey bee populations, and how scientific research contributes to sustainable pollination systems in native and managed environments.
https://primezone.edu.au/resource/honey-bees-survival-sustainability-science/



THE BUTTER BARN

Meet John a Dairy Farmer

Join Sammie O'Brien as she takes you behind the scenes of Kenilworth Dairies, a working dairy farm and cheese factory. Kenilworth Dairies is owned by John and Margaret Cochrane, their son Kelvin and wife Ronnie. Dairy farmers for many generations, the Cochrane family are passionate about producing quality dairy products for Australians, including their award-winning cheese.
https://youtu.be/VXLG3zoeMxs



Dairy Educators Guide

This George the Farmer Educational Resource aims to raise awareness about many of the things the dairy industry does to raise happy cows and calves, produce, process and deliver milk and; produce healthy dairy foods for us to enjoy! The dairy food group includes milk, cheese, yoghurt, butter, cream and/or alternatives such as soy beverages, made from rice or other cereals which contain at least 100mg calcium per 100ml. The dairy food group is one of the five food groups that are important for our good health.
https://www.georgethefarmer.com.au/collections/teachers-guides/products/dairy





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CLASSROOM RESOURCES

THE BUTTER BARN (CONT.)

Discover Australian Dairy

From early morning milking to feeding calves and keeping cows happy, Aussie dairy farmers do it all. Explore life on the farm, how milk is made and the people (and animals!) who make it all happen.
https://www.dairy.com.au/education/students/about-australian-dairy

Dairy Science and Technology Videos

A series of videos highlighting the development of the dairy industry from hand milking, to modern manual milking and robotic milking. Included also are videos demonstrating heritage milk separating and butter churning. Information in these videos is aimed to primary school age children.
https://primezone.edu.au/resource/dairy-science-and-technology-videos/

Dairy Products

Milk is pretty amazing stuff. Not only is it good for you, it also turns into some of your favourite foods! From cheesy snacks to frozen treats, milk helps make it all happen. Let's explore the delicious world of dairy?
https://www.dairy.com.au/education/students/about-australian-dairy/dairy-products

Dairy Games - Foundation - 5

Designed to bring learning to life. Each game complements the inquiry units and activity ideas on Discover Dairy, helping you actively engage with key concepts in a fun way. Perfect for electronic whiteboards, computers, or mobile devices.
https://www.dairy.com.au/education/students/dairy-games

Dairy Farming and How Milk is Made - Accessible for All Ages

Most of the dairy we consume in Australia comes from cows. On average, each Australian consumes more than 100 litres of milk and 13 kilograms of cheese per year. Learn about the dairy industry and the technologies used on the farm, and find out how milk gets from cows to the supermarket.
https://www.abc.net.au/education/dairy-farming-and-how-milk-is-made/14105418



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THE BUTTER BARN (CONT.)

On the Farm

What makes dairy farms in Australia so special? Let's take a closer look at how they work and the incredible farmers behind the scenes.
https://www.dairy.com.au/education/students/about-australian-dairy/on-the-farm

Caring for Cows

Dairy farmers know healthy, happy cows are key to great dairy. That's why they work closely with them every day, making sure they're well fed, comfortable and cared for from sunrise to sunset.
https://www.dairy.com.au/education/students/about-australian-dairy/caring-for-cows

Dairy Production

Explore how milk moves from the farm to the factory and into your fridge. Milk production relies on many factors, with technology playing a big role. But the real question is: how do we keep making the process more efficient so more Aussies can enjoy this powerhouse of nutrition? Let's break it down.
https://www.dairy.com.au/education/students/about-australian-dairy/dairy-production

Dairy Sustainability

Dairy farmers are deeply committed to the environment. Here, we'll explore the everyday practices helping to protect Australia's soils, water, biodiversity and future, one farm at a time.
https://www.dairy.com.au/education/students/about-australian-dairy/dairy-sustainability

Health & Nutrition

Always the overachiever, dairy gives us more than 10 essential nutrients that support healthy blood, nerves, eyes, muscles, and skin. It also helps the body build and repair itself. That's why the Australian Dietary Guidelines list dairy as a key food group for children.
https://www.dairy.com.au/education/students/about-australian-dairy/health-and-nutrition





THE BUTTER BARN (CONT.)

Dairy Careers for Students

Curious about life beyond the classroom? Dairy farms are full of energy, animals and opportunity. From early starts to fascinating tech, it's a hands-on career that keeps you moving, learning and making a real difference.
https://www.dairy.com.au/education/students/about-australian-dairy/dairy-careers-for-students

Dairy Australia

How Farmers use Microchips on Dairy Farms - Years 3 - 6

Ear tags with microchips are used on farms to identify animals. Lachlan shows us how the microchips control the electronic gates and the amount of food a cow receives.
https://www.abc.net.au/education/how-farmers-use-microchips-on-dairy-farms/13633844

ABC Education





FUNNY FOODS WORKSHOP

Meet Rob - A veggie farmer from Kalbar, QLD - Fresh stories from the farm

Rob is a third generation farmer and founding director of Kalfresh Vegetables, one of Queensland's leading vegetable production companies. Rob is passionate about local produce and sustainability and established Kalfresh as a way to create a better farming future for our community, consumers and the environment. Kalfresh products can be found in your local supermarkets.
https://www.youtube.com/watch?v=QOeulejTAgA



OzHarvest FEAST - Free Resources

Explore a range of fun, hands-on activities to help kids develop positive food habits and reduce food waste. From fruit and veggie Bingo and food storage tips to creative classroom activities like Lunchbox Love Letters and Food Waste Audits, there are plenty of ways to get students involved.
Get kids cooking at home with simple, delicious recipes, or watch FEAST Ambassador Colin Fassnidge whip up Fast Fritters, Fruit Skewers and Crunchy Noodle Salad. The Fight Food Waste Toolkit is a great place to start, packed with ideas to inspire your whole class or school to make a difference!
https://education.ozharvest.org/free-resources/



FUNNY FOODS WORKSHOP (CONT.)

Food Smart School Resources

There is a lot of information about food and nutrition out there and not all of it is well-informed. School Foodie resources have been curated to ensure they are credible, inclusive and facilitate deep learning that is aligned with the Australian Curriculum.
https://www.schoolfoodies.org.au/resources

Food Smart School Resources

Food waste doesn't just mean wasted food. It also wastes valuable resources such as water, energy and labour used to produce, transport and store it. When food is wasted, it also wastes valuable resources such as water and electricity. If food waste were a country, it would be the world's third-largest emitter of greenhouse gases. These colourful, curriculum-aligned resources help students explore the challenge of food waste and its impact on the environment.
https://www.lovefoodhatewaste.nsw.gov.au/at-home/school-resources-parents

Veggycation - Showing you How to Love Vegetables

Veggycation aims to increase awareness about the goodness of vegetables: nutritional information, optimum cooking methods, preparation and storage.
https://www.veggycation.com.au/

Phenomenon - Food Literacy in Every Subject

Phenomenom is a free, curriculum-aligned educational program designed to spark students' curiosity about vegetables, food production and healthy eating. Through engaging videos, podcasts and classroom activities, students explore real-world connections between agriculture, sustainability, history, science and everyday life. Developed with support from Hort Innovation and Australian growers, these flexible resources can be used across a range of subjects and year levels to inspire informed, curious and conscious consumers.
https://phenomenom.com.au/

Junior Landcare Learning Centre

Junior Landcare provides age appropriate activities aligned to the school curriculum to build knowledge about food production, biodiversity, First Nations perspectives and waste management.
https://juniorlandcare.org.au/learningcentre/



FUNNY FOODS WORKSHOP (CONT.)

Kids in the Garden / How seeds become plants

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.
www.abc.net.au/education/kids-in-the-garden-ep-2-how-seeds-become-plants/

Kids in the Garden / Why Plants Make Fruit

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.
www.abc.net.au/education/kids-in-the-garden-ep-6-why-plants-make-fruit/

Kids in the Garden / How plants work

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. Discover just how important plants are to life on Earth. Find out how we can help plants survive and thrive.
www.abc.net.au/education/kids-in-the-garden-ep-5-how-plants-work/

Plant Scan

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.
scootle.edu.au/ec/viewing/L31/index.html#plant-parts_

Sow a seed, grow a feed

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.
juniorlandcare.org.au/learning_activity/sow-a-seed-grow-a-feed/

Food Education and Sustainability Training - Years 5 - 6

This unit uses a STEM lens and integrates both theoretical and practical learning. Students will investigate what goes into producing and preparing food and all the things we can do to avoid food waste.
https://education.ozharvest.org/wp-content/uploads/WebsiteFEAST_Primary-School-STEM-Lesson-Plans-2025.pdf-1.pdf



SHEEP DOG MUSTERING

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.



Muster Dogs

Five graziers from across Australia are given five Kelpie puppies from the same litter and set with the challenge of transforming these uniquely Australian dogs into champion muster dogs.
https://iview.abc.net.au/show/muster-dogs

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SHEEP DOG MUSTERING (CONT.)

All About Farmhand dogs

In this handout, students will learn how four-legged friends help farmers manage their farm sites. Learn about three types of farmhand dogs- (1) herding dogs, (2) watchdogs, and (3) guard dogs. Find BC-grown product dog biscuit recipes as a bonus inside!
https://bcaitc.ca/resources/all-about-farmhand-dogs-0

Learn About Wool - Accessible for All Ages

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

Sam the Lamb - Does Wool Burn - Accessible for All Ages

Have you ever compared the flammability of different fabrics? Join Sam the Lamb in our science lab to test which fabrics burn easily and which fabrics are the most flame resistant. Sam and his science team, Professors Madeleine and Daisy, test the flammability of a range of synthetic and natural fabrics including polyester, polar fleece, cotton and wool.
youtube.com/watch?v=J-GGYNmklKw

Sam the Lamb - Properties of Wool - Accessible for All Ages

Join Sam the Lamb to discover the amazing properties of wool — a versatile, renewable and biodegradable natural fibre people have been using for thousands of years to make textiles, clothing and insulation. Explore how wool can stretch and return to its natural shape when you are wearing it, can keep you warm when it's cool and keep you cool when it's hot. Discover why wool is safe to wear around campfires and in the sun, and how wool can manage moisture from your body to keep you dry and odour free when you play sport. Wool is even stain resistant, making it an easy care option for Mum and Dad.
youtube.com/watch?v=jbfTmJ1ldRo



SHEEP DOG MUSTERING (CONT.)

Sam the Lamb - What is Wool - Accessible for All Ages

Where does wool come from? Take a trip to the farm with Sam the Lamb to discover how sheep produce wool, just like we grow hair on our head. Find out how wool protects sheep from all kinds of weather. Explore how wool looks and feels and how woolgrowers harvest their sheep's woolly fleece each year...and how it grows back again!
youtube.com/watch?v=HanHq0auWNU

Sam the Lamb - The Needs of Sheep - Accessible for All Ages

Meet Dougal, Jock and Lucy and their pet sheep 'Twinkletoes'. Join this wool-producing family as they show where their sheep live, what they eat and drink and how they 'chew their cud'. Find out what a herbivore is, and how many stomachs sheep have...you'll be amazed. Learn about rotational grazing and how farmers look after their sheep and their pastures and ensure they have plenty of shelter in their paddocks.
https://www.youtube.com/watch?v=vCxI1eQKD-o

Posters - Accessible for All Ages

From farm to fashion: learnaboutwool.com/globalassets/law/resources/posters
From the Yarn: learnaboutwool.com/globalassets/law/resources/posters

Fact Sheets - Accessible for All Ages

Properties of wool: learnaboutwool.com/globalassets/law/resources/factsheets/
Wool is biodegradable: learnaboutwool.com/globalassets/law/resources/factsheets/

Worksheets - Accessible for All Ages

My Sheep Paddock: www.learnaboutwool.com/globalassets/law/lesson-plans/
Properties of Materials: learnaboutwool.com/globalassets/law/lesson-plans



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SUGARCANE - CANEGROWERS

Sugarcane - Paddock to Packet

Join George the Farmer and his mates Simone and Shaun as they head north to sunny Queensland to learn all about sugarcane — one of Australia's sweetest and most sustainable crops!

Discover how sugarcane grows, how it's harvested and milled, and how Aussie farmers are using innovation and technology to protect the environment while producing one of the world's most versatile plants. From sugar and animal feed to electricity, fuel and even biodegradable plastics, you'll be amazed at all the incredible things that come from sugarcane!

https://www.youtube.com/watch?v=VvCumaNqltU



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.
canegrowers.com.au/information-hub/learn-about-sugarcane-2

CANEGROWERS



CLASSROOM RESOURCES

SUGARCANE - CANEGROWERS (CONT.)

Educational Posters - Accessible for All Ages

Features of the Sugarcane Plant:
canegrowers.com.au/uploads/Education/Features-of-a-Cane-Plant_A2-poster.pdf
One Plant Many Products – Supply Chain Poster:
canegrowers.com.au/uploads/Education/One-Plant-Many-Products.pdf

CANEGROWERS

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.
primezone.edu.au/resource/sugarcane-one-plant-many-products/

CANEGROWERS

Canegrowers: Planet Shapers - Accessible for All Ages

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.
youtube.com/watch?v=Qv63qg8LLDY

CANEGROWERS

Cane-mation - Accessible for All Ages

This is a multi-plane stop-motion animated short film about the sugar cane industry and highlights changes in farming practices as part of the Reef Rescue program.
youtube.com/watch?v=umr-Yk3i9o0

CANEGROWERS



Ekka

ROYAL QUEENSLAND SHOW

DISCOVER QUEENSLAND'S BIGGEST CLASSROOM

Join schools from across the state bringing learning to life through the Ekka experience.



Scan here to get involved!

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.



ekka.com.au