

Ekka

EDUCATION

ZEBRA FINCHES PROJECT

CURRICULUM ALIGNMENT & CLASSROOM RESOURCES



PRIMARY SCHOOLS

COMPETITION OVERVIEW

We invite you to apply to participate in our exciting new School Zebra Finch Breeding Educational Project.

This unique opportunity connects classroom learning with a hands-on experience in breeding finches, while students explore the wonders of biology, science, mathematics and design technology. The competition encourages teamwork and engages in critical thinking and creative problem-solving.

We invite schools to participate in a unique opportunity to create a cross-curricular project. Students, with the guidance of the Ekka's Poultry Committee, will explore the life cycles, habitats and care of finches while observing their breeding process.

With a strong focus on fostering a curiosity for nature, students will learn about animal care, create habitats, track breeding patterns and develop an understanding of ecosystems and the role of species conservation.



**THE EXHIBITION ZEBRA
FINCH SOCIETY OF
QUEENSLAND**

IMPORTANT CONTACTS

Competition Enquiries

entries@royalqueenslandshow.com.au

Education Content Enquiries

education@ekka.com.au

Ekka School & Group Bookings Enquiries

groupbookings@ekka.com.au

Denny the Budgie - Zebra Finch Care For Beginners - Accessible for All Ages

If you are new to caring for Zebra Finches, this video serves as an ideal introduction. Specifically designed for beginners, it addresses the most common concerns and questions that arise when welcoming a new pet into your classroom. While starting with a new pet may seem daunting, rest assured this guide will provide you with the essential information you need. The video offers a comprehensive overview of Zebra Finch care, covering key topics such as setting up an appropriate habitat and ensuring a balanced diet. The aim is to equip you with the knowledge and confidence to create a nurturing and healthy environment for your Zebra Finch.

<https://www.youtube.com/watch?v=La7JMeMcK8I>



Animal Humane Society - Zebra Finches Care - Accessible for All Ages

Welcome to this guide on Zebra Finch care. Whether you're a first-time owner or looking to expand your knowledge, this resource provides essential information on diet, housing, and environmental needs. Zebra Finches require a balanced diet, a spacious, well-equipped cage, and a warm, social environment to thrive. This guide will help you create the ideal conditions to ensure your Zebra Finch remains healthy, happy, and well-cared for throughout its life.

<https://www.animalhumanesociety.org/resource/zebra-finch-care>



Birdlife Australia - Zebra Finch Bird Profile - Accessible for All Ages

This resource provides an overview of the Zebra Finch, focusing on its habitat, behaviour, feeding, and breeding patterns. Native to Australia's arid and semi-arid regions, Zebra Finches are highly adaptable, thriving in harsh conditions and capitalising on rare rainfall events to initiate rapid breeding cycles. The guide covers the species' distinctive physical traits, feeding habits, and their unique reproductive strategies that contribute to their population booms. Whether you're interested in the species' natural environment or their behavioral characteristics, this resource offers a detailed look at one of Australia's most common and widely distributed grassfinches.

<https://birdlife.org.au/bird-profiles/zebra-finch/>



VERSION 8.4

Science Understanding

Recognising humans as animals, describing external features of humans and exploring similarities and differences compared with other animals ([AC9SFU01](#))
Pose questions and make predictions based on experiences ([AC9SFI01](#))
Represent observations in provided templates and identify patterns with guidance ([AC9SFI03](#))
Share questions, predictions, observations and ideas with others ([AC9SFI05](#))

Mathematics Understanding

Measure and compare the lengths and capacities of pairs of objects using uniform informal units ([ACMMG019](#))
Represent data with objects and drawings where one object or drawing represents one data value. Describe the displays ([ACMSP263](#))

Design and Technologies

Generate, develop and record design ideas through describing, drawing and modelling ([ACTDEP006](#))

VERSION 9.0

Science Understanding

Living things have basic needs, including food and water ([ACSSU002](#))
The way objects move depends on a variety of factors, including their size and shape ([ACSSU005](#))
Pose and respond to questions about familiar objects and events ([AC SIS014](#))

Mathematics Understanding

Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language ([ACMMG006](#))

Design and Technologies

Explore the characteristics and properties of materials and components that are used to produce designed solutions ([ACTDEK004](#))



*Creative & Critical
Thinking*



Numeracy



Literacy



Sustainability



*Ethical
Understanding*



*Personal &
Social Capability*



VERSION 8.4***Science Understanding***

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 daily and seasonal changes in the environment and explore how these changes affect everyday life ([AC9S1U02](#))

suggest and follow safe procedures to investigate questions and test predictions ([AC9S1I02](#))

Make and record observations, including informal measurements, using digital tools as appropriate ([AC9S1I03](#))

Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary ([AC9S1I06](#))

Mathematics Understanding

Measure and compare the lengths and capacities of pairs of objects using uniform informal units ([ACMMG019](#))

Represent data with objects and drawings where one object or drawing represents one data value. Describe the displays ([ACMSP263](#)).

Design and Technologies

Generate, develop and record design ideas through describing, drawing and modelling ([ACTDEP006](#)).

VERSION 9.0***Science Understanding***

Living things have a variety of external features ([ACSSU017](#)).

Science involves observing, asking questions about, and describing changes in, objects and events ([ACSHE021](#)).

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

Mathematics Understanding

Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language ([ACMMG006](#)).

Design and Technologies

Explore the characteristics and properties of materials and components that are used to produce designed solutions ([ACTDEK004](#)).



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VERSION 8.4***Science Understanding***

Explore different actions to make sounds and how to make a variety of sounds, and recognise that sound energy causes objects to vibrate ([AC9S2U02](#))

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

Compare observations with predictions and others' observations, consider if investigations are fair and identify further questions with guidance ([AC9S2I05](#))

Write and create texts to communicate observations, findings and ideas, using everyday and scientific vocabulary ([AC9S2I06](#))

Mathematics Understanding

Measure and compare the lengths and capacities of pairs of objects using uniform informal units ([ACMMG019](#))

Represent data with objects and drawings where one object or drawing represents one data value. Describe the displays ([ACMSP263](#))

Design and Technologies

Generate, develop and record design ideas through describing, drawing and modelling ([ACTDEP006](#))

VERSION 9.0***Science Understanding***

Living things grow, change and have offspring similar to themselves ([ACSSU030](#))

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

Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions ([AC SIS040](#))

Mathematics Understanding

Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language ([ACMMG006](#))

Design and Technologies

Explore the characteristics and properties of materials and components that are used to produce designed solutions ([ACTDEK004](#))

***Creative & Critical
Thinking******Numeracy******Literacy******Sustainability******Ethical
Understanding******Personal &
Social Capability***

VERSION 8.4

Science Understanding

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

Follow procedures to make and record observations, including making formal measurements using familiar scaled instruments and using digital tools as appropriate ([AC9S3I03](#))

Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends ([AC9S3I03](#))

Mathematics

Conduct chance experiments, identify and describe possible outcomes and recognise variation in results ([ACMSP067](#))

Interpret and compare data displays ([ACMSP070](#))

Design and Technologies

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 the suitability of materials, systems, components, tools and equipment for a range of purposes ([ACTDEK013](#))

Recognise different types of data and explore how the same data can be represented in different ways ([ACTDIK008](#))

VERSION 9.0

Science Understanding

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

Science involves making predictions and describing patterns and relationships ([ACSHE050](#))

Mathematics Understanding

Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units ([ACMMG037](#))

Use scaled instruments to measure and compare lengths, masses, capacities and temperatures ([ACMMG084](#))

Design and Technologies

Investigate how forces and the properties of materials affect the behaviour of a product or system ([ACTDEK011](#))



Creative & Critical Thinking



Numeracy



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Personal & Social Capability



VERSION 8.4

Science Understanding

Pose questions to explore observed patterns and relationships and make predictions based on observations ([AC9S4I01](#))

Use provided scaffolds to plan and conduct investigations to answer questions or test predictions, including identifying the elements of fair tests, and considering the safe use of materials and equipment ([AC9S4I02](#))

Construct and use representations, including tables, simple column graphs and visual or physical models, to organise data and information, show simple relationships and identify patterns ([AC9S4I04](#))

Mathematics

Conduct chance experiments, identify and describe possible outcomes and recognise variation in results ([ACMSP067](#))

Interpret and compare data displays ([ACMSP070](#))

Design and Technologies

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 the suitability of materials, systems, components, tools and equipment for a range of purposes ([ACTDEK013](#))

Recognise different types of data and explore how the same data can be represented in different ways ([ACTDIK008](#))

VERSION 9.0

Science Understanding

Living things have life cycles ([ACSSU072](#))

With guidance, identify questions in familiar contexts that can be investigated scientifically and make predictions based on prior knowledge ([ACSIS064](#))

With guidance, plan and conduct scientific investigations to find answers to questions, considering the safe use of appropriate materials and equipment ([ACSIS065](#))

Mathematics Understanding

Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units ([ACMMG037](#))

Use scaled instruments to measure and compare lengths, masses, capacities and temperatures ([ACMMG084](#))

Design and Technologies

Investigate how forces and the properties of materials affect the behaviour of a product or system ([ACTDEK010](#))



Creative & Critical Thinking



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VERSION 8.4***Science Understanding***

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

Pose investigable questions to identify patterns and test relationships and make reasoned predictions ([AC9S5I01](#))

Mathematics Understanding

Use mathematical modelling to solve practical problems involving additive and situations including financial contexts; formulate problems using number sentences and choose calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation ([AC9M3N06](#))

Digital and Technologies

Explore transmitting different types of data between digital systems ([AC9TDI4K02](#))



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Thinking*



Numeracy



Literacy

VERSION 9.0***Science Understanding***

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

With guidance, pose clarifying questions and make predictions about scientific investigations ([ACSIS231](#)).

Communicate ideas, explanations and processes using scientific representations in a variety of ways, including multi-modal texts ([ACSIS093](#)).

Mathematics Understanding

Choose appropriate units of measurement for length, area, volume, capacity and mass ([ACMMG108](#))

Design and Technologies

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](#)).



Sustainability



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VERSION 8.4

Science Understanding

Investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions ([AC9S6U01](#))

Construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships ([AC9S6I04](#))

Mathematics Understanding

Use mathematical modelling to solve practical problems involving additive and situations including financial contexts; formulate problems using number sentences and choose calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation ([AC9M3N06](#))

Digital and Technologies

Explore transmitting different types of data between digital systems ([AC9TDI4K02](#))



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Science Understanding

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

Communicate ideas, explanations and processes using scientific representations in a variety of ways, including multi-modal texts ([AC SIS110](#)).

Scientific knowledge is used to solve problems and inform personal and community decisions ([AC SHE100](#)).

Mathematics Understanding

Choose appropriate units of measurement for length, area, volume, capacity and mass ([ACMMG108](#)).

Design and Technologies

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](#)).



Ekka

EDUCATION

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.

