

Federal Government 25th Anniversary Landcare Grant Bats Queensland

Education Workshops about Flying Fox Habitat Restoration




In conjunction with Australian Bat Clinic



Project Aim

- This project worked with 5 local communities across South-eastern Queensland to develop an educational workshop that responded to their specific needs and concerns as a way to increase awareness and build capacity of local communities to understand and effectively restore roost habitat and increase roost and foraging capacity for local Flying Foxes (FF), including the nationally vulnerable grey-headed flying fox (GHFF)
- *Councils involved*

<i>Gold Coast</i>	<i>Community Partners</i>
<i>Toowoomba</i>	<i>Liz Gould, SEQ Catchment</i>
<i>Somerset</i>	<i>Dr Monica Yadeun De Antunano</i>
<i>Scenic Rim</i>	<i>Griffith University</i>
<i>Sunshine Coast</i>	<i>Guy Cooper The World as I am</i>
	<i>Terry Wimberley Project Manager</i>

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- ▶ Following are the seven questions that bind the commonality of the five meetings.
 - ▶ What is the current state of Flying Foxes in your council area?
 - ▶ What is the current level of community complaints that come to council?
 - ▶ What are the biggest problems with Flying Foxes in the council area?
 - ▶ What educational support do you need?
 - ▶ What groups, local and otherwise does the council work with in relation to Flying Foxes?
 - ▶ In relation to this study what educational support is needed for revegetating and maintaining this low conflict site?
 - ▶ Will each group represented suggest what is needed in terms of education workshops and discuss who may be invited to attend?



Stages

Stage 1: Knowledge mobilisation

The goal of this stage was to bring Councils and community groups together to identify what knowledge they believed was needed to successfully revegetating and maintaining an identified low conflict roost site.

Stage 2: Educational program

The goal of this stage was to develop a repeatable one-day educational workshop that addressed the identified needs of each community.

Stage 3: Knowledge dissemination.

The goal of this stage was to deliver an educational workshop to each Council group addressing identified needs & drawing on the latest Scientific and Health & Safety information, understanding local Flying Fox movements & camps, revegetation practices & heat stress mitigation.

The outcome of the project emphasised the role of education, communication and partnerships.

All participants of stage 1 suggested education was key and suggested specific points they wanted more information about.

Stage two developed the educational program.

Stage 3 communicated the science and logistical knowledge requested. participants appreciated the knowledge they gained and believed that information about ff needed to be better communicated to their community. Formal education was encouraged as a key way to let people know about ff and their positive impact.

The linking of scientific, statistical and health and safety information to every year level and every discipline area within the national Australian curriculum is a next step.

This project, officially launched on the 6th is unique in the world. It offers teacher friendly educational suggestion that are student centred and based on critical and constructivist pedagogues.


They were developed by a team of five exceptional teachers and overseen by a university academic who specialises in education.

It can be downloaded for free via the education tab at <http://www.batsqld.org.au/education.html>





How to teach about Flying Foxes and Microbats for EVERY school subject and EVERY year level: the Australian Curriculum made BATTY

Teacher developed  Student-centered

Teaching suggestions for Foundation Year to Year 12:
English; Humanities and Social studies; Arts; Drama; Dance;
Business & Economics; Maths; Science; ICT & design; HPE.
<http://www.batsqld.org.au/>

Introduction

BATS QLD is a not-for-profit organisation dedicated to the conservation and education of bats in Queensland. We have a wealth of resources available on our website to help schools and the community learn more about these fascinating animals.

How to use this resource

This resource is designed to be used as a starting point for teaching about bats. It contains a range of activities and information that can be adapted to suit different year levels and subjects. We encourage teachers to use their own creativity and expertise to make the most of these resources.

Activities

- Classroom displays:** Create a display about bats in your classroom. Use the information from this resource to help you choose interesting facts and images.
- Role-play:** Write and perform a play about bats. Use the information from this resource to help you create an engaging story.
- Art and Design:** Create a drawing or sculpture of a bat. Use the information from this resource to help you choose the right materials and techniques.
- Science:** Investigate the biology of bats. Use the information from this resource to help you understand how bats fly, eat, and reproduce.
- Maths:** Calculate the area of a bat's wings. Use the information from this resource to help you understand how bats use their wings to fly.
- English:** Write a story about a bat. Use the information from this resource to help you create an engaging story.
- Humanities and Social Studies:** Investigate the history of bats. Use the information from this resource to help you understand how bats have been used in different cultures.
- Business & Economics:** Investigate the economic value of bats. Use the information from this resource to help you understand how bats can be used in different ways.
- ICT & Design:** Create a digital presentation about bats. Use the information from this resource to help you choose interesting facts and images.
- HPE:** Investigate the health benefits of bats. Use the information from this resource to help you understand how bats can be used in different ways.

Teaching suggestions for Foundation Year to Year 12:

English: Write a story about a bat. Use the information from this resource to help you create an engaging story.

Humanities and Social Studies: Investigate the history of bats. Use the information from this resource to help you understand how bats have been used in different cultures.

Arts: Create a drawing or sculpture of a bat. Use the information from this resource to help you choose the right materials and techniques.

Dance: Write and perform a play about bats. Use the information from this resource to help you create an engaging story.

Business & Economics: Investigate the economic value of bats. Use the information from this resource to help you understand how bats can be used in different ways.

Maths: Calculate the area of a bat's wings. Use the information from this resource to help you understand how bats use their wings to fly.

Science: Investigate the biology of bats. Use the information from this resource to help you understand how bats fly, eat, and reproduce.

ICT & Design: Create a digital presentation about bats. Use the information from this resource to help you choose interesting facts and images.

HPE: Investigate the health benefits of bats. Use the information from this resource to help you understand how bats can be used in different ways.

Resources

Stelluna

Stelluna is a free online resource that provides information about bats. It includes a range of activities and information that can be used in the classroom.

Other resources

There are many other resources available online that provide information about bats. We encourage teachers to explore these resources to find the best ones for their classroom.