

Gladstone Regional Seed Library

What is it?

A seed library collection is where the library loans out seeds instead of books or DVDs.

How does it work?

Gladstone Regional Library members borrow seeds for free then plant and tend to their crops. The return on this long-term loan is not fresh produce but instead the return of some seeds from the yield. These seeds are then made available for members to plant next season

Seed Donations:

The library is happy to accept donated seeds. When giving a donation you will be required to fill in a seed donation form with as much details about the plant as possible. Gladstone Regional Council are not accountable for the content of seed donations and any errors in the information provided with them.

Information Handouts:

This range of information sheets and activities have been designed to provide basic information on the seeds available and help teachers and parents encourage and inspire their children's interest in nature.

Curriculum Ideas:

Science: "living things"-parts of insects, plant pollination, honey production, insect life-cycles, types of honey, divisions of Animal Kingdom

Numeracy: measuring volume of honey in jars

Literacy: Create a bush tucker version of "The Very Hungry Caterpillar" by Eric Carle

Art: Botanical Illustrators (Ferdinand Lucas Bauer and "The Port Jackson Painter"), Illustrators (Sir Ernest Daryl Lindsay) – illustrate own story or inspiration for own artwork

History/geography: Distribution maps for bees (native and European), and butterflies

Further Reading and References

The following resources contain more information about the topic:

1. Wikipedia, (2014). *Belenois java*. [online] Available at: http://en.wikipedia.org/wiki/Belenois_java#Life_cycle [Accessed 11 Jul. 2014].
2. Ces.csiro.au, (2014). 2. *Belenois javassp. teutonia (Fabricius)*. [online] Available at: http://www.ces.csiro.au/aicn/name_s/b_654.htm [Accessed 11 Jul. 2014].
3. Encyclopedia of Life, (2014). *Caper White (Belenois java) - Information on Caper White - Encyclopedia of Life*. [online] Available at: <http://eol.org/pages/2866135/overview> [Accessed 11 Jul. 2014].
4. Aussiebee.com.au, (2014). *Common Questions about Australian Native Bees*. [online] Available at: <http://www.aussiebee.com.au/faq.html> [Accessed 11 Jul. 2014].
5. Zabel.com.au, (2014). *Australian Stingless Native Bees*. [online] Available at: <http://www.zabel.com.au/> [Accessed 11 Jul. 2014].
6. Wikipedia, (2014). *Australian native bees*. [online] Available at: http://en.wikipedia.org/wiki/Australian_native_bees [Accessed 11 Jul. 2014].
7. Aussiebee.com.au, (2014). *Which Native Bees Live in Your Area?*. [online] Available at: <http://www.aussiebee.com.au/beesinyourarea.html> [Accessed 11 Jul. 2014].

Seeds are freely available at all the Gladstone Regional Library branches:

- Agnes Water Library
- Boyne Tannum Community Centre
- Calliope Library
- Gladstone City Library
- Miriam Vale Library
- Mount Larcom Library
- Philips Street Family Precinct

For more information visit:

www.gladstonelibraries.qld.gov.au

Gladstone Regional Libraries

Seed Library DIY Collection

Pollinators in the Garden

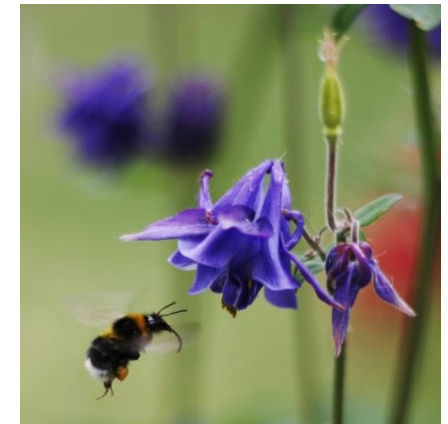


Image: Bumblebee pollinating *Aquilegia vulgaris*

Source: Roo72

Butterflies and Bees

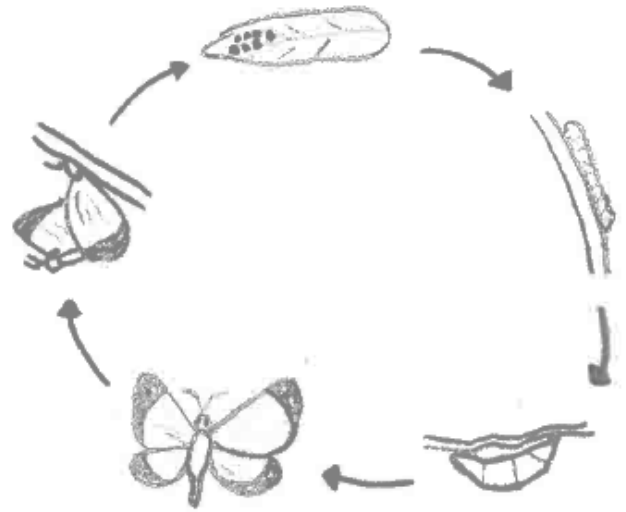
Scientific Profile

Kingdom: Animalia
Phylum: Arthropoda
Class: Insecta
Order: Lepidoptera
Family: Pierida
Genus: *Belenois*
Scientific Name: *Belenois java*
Common Name: Caper White Butterfly

The Australian native Bush Caper plant has edible fruit and its leaves are one of the main food sources for the *Caper White* butterfly.

Life Cycle of a Butterfly

Egg → Larvae → Cocoon → Adult → Mating → Eggs



Male



Top Side

Bottom Side

Female



Top Side

Bottom Side

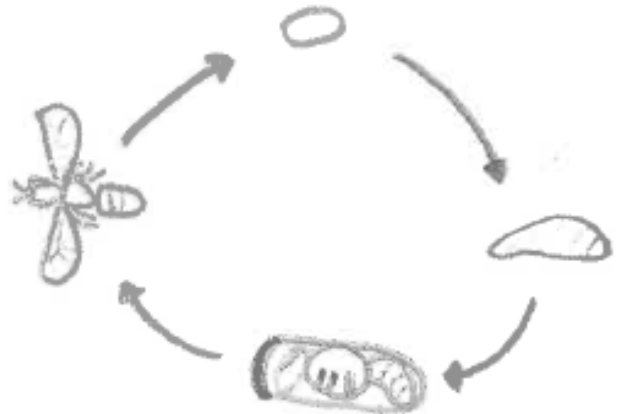
Scientific Profile

Kingdom: Animalia
Phylum: Arthropoda
Class: Insecta
Order: Hymenoptera
Family: Apidae
Genus: *Tetragonula*
Scientific Name: *Tetragonula carbonaria*
Common Name: Sugarbag bee

Unlike the imported European honey bee the Australian native Sugarbag Bee has no sting.

Life Cycle of a Bee

Egg → Larvae → Pupae → Adult → Eggs



Australian Sugarbag Bee



Sugarbag Bee Hive

