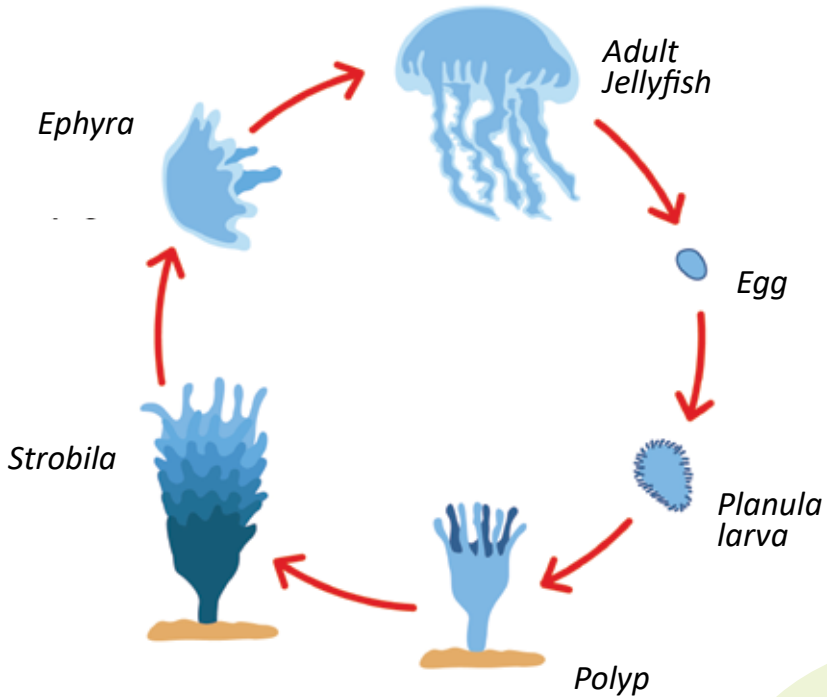




Life Cycles

Biological Sciences



Written for the Australian Curriculum: Science

Sienna Osborne | Randall Hall | Richard John

AUSTRALIAN CURRICULUM: SCIENCE

Strand:	Science Understanding, Science Inquiry Skills
Sub-strand:	Biological Sciences
Descriptor:	Living things grow, change and have offspring similar to themselves Represent and communicate observations and ideas in a variety of ways using formal and informal representations

SCIENCE WORDS

Plants, animals, seeds, life cycle, tadpoles, froglets, seedlings, hatchlings, juveniles, spores, larva, pupa, polyp

INFORMATION FOR PARENTS OR CAREGIVER

Helping your child learn to read is a rewarding and enjoyable experience for both you and your child. Here are some ways you can help your child with their reading.

BEFORE READING

- Introduce the book; read the title and look at the pictures. Ask your child if they have encountered life cycles at school.
- Refer to the science words above. Discuss each word and its meaning. These words will appear in the book.

DURING READING

- At this level, your child should attempt to read their home reader on their own. There may be words they are unsure of. Encourage them to break these words down into their individual sounds, blending them from left to right.
- Stop your child on the pages where Suzie the Scientist appears. Discuss the science vocabulary and interesting information presented.

SCIENCE CONCEPTS IN THIS BOOK

As part of the *Australian Curriculum: Science* students learn that living things grow, change and produce offspring similar to themselves. They explore the different stages of life and represent them as life cycle diagrams—typically a circular representation showing all stages of life from conception through to reproducing adults.

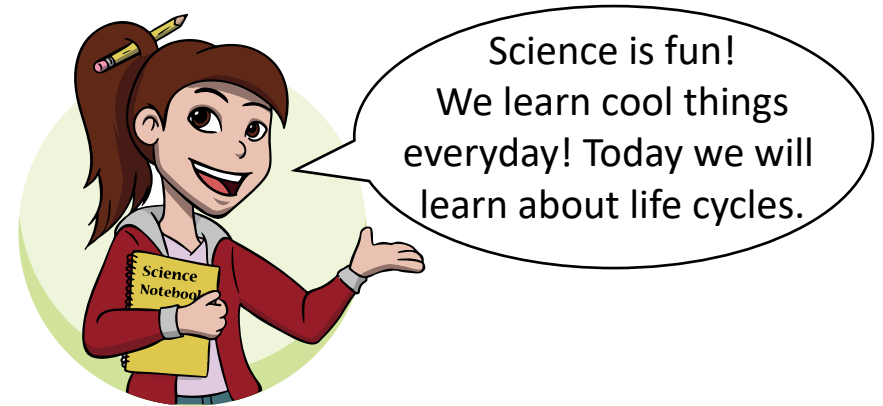
In this book we explore the life cycles of a wide range of organisms using examples across three kingdoms of living things (namely plants, animals and fungi) and across several classes of animals including reptiles, amphibians, insects and scyphozoa (jellyfish).

The names of organisms at different stages of life can be confusing. This list may help:

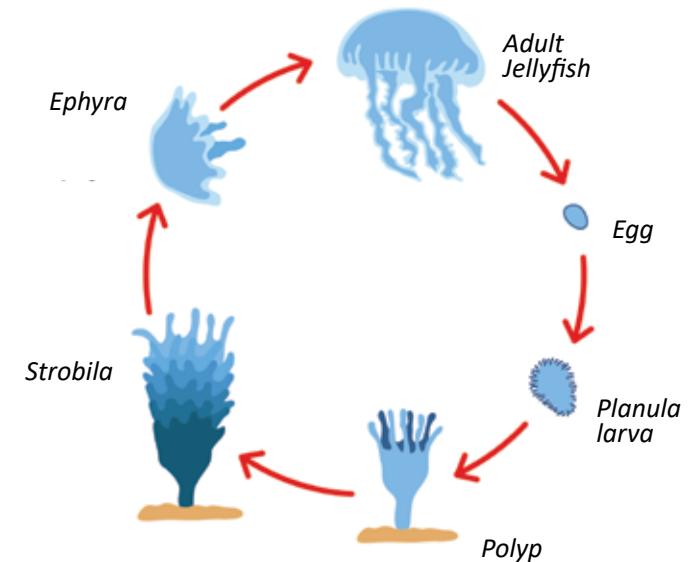
Larva—a distinct juvenile form of animals that have indirect development such as insects, amphibians or cnidarians (e.g. jellyfish, sea anemones and corals).

Pupa—the life stage of some insects undergoing transformation between the immature and mature stages of life. The pupal stage is found only in insects that undergo a complete metamorphosis (e.g. butterflies, moths, flies).

Spores—reproductive cells of many plants, fungi and algae that are adapted for dispersal and for survival, often for extended periods of time.



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Life Cycles of Plants and Animals

Plants and animals grow and change.

Plants make seeds that grow into adult plants.

Animals have babies that grow into adult animals.

The stages that plants and animals go through are called a life cycle.



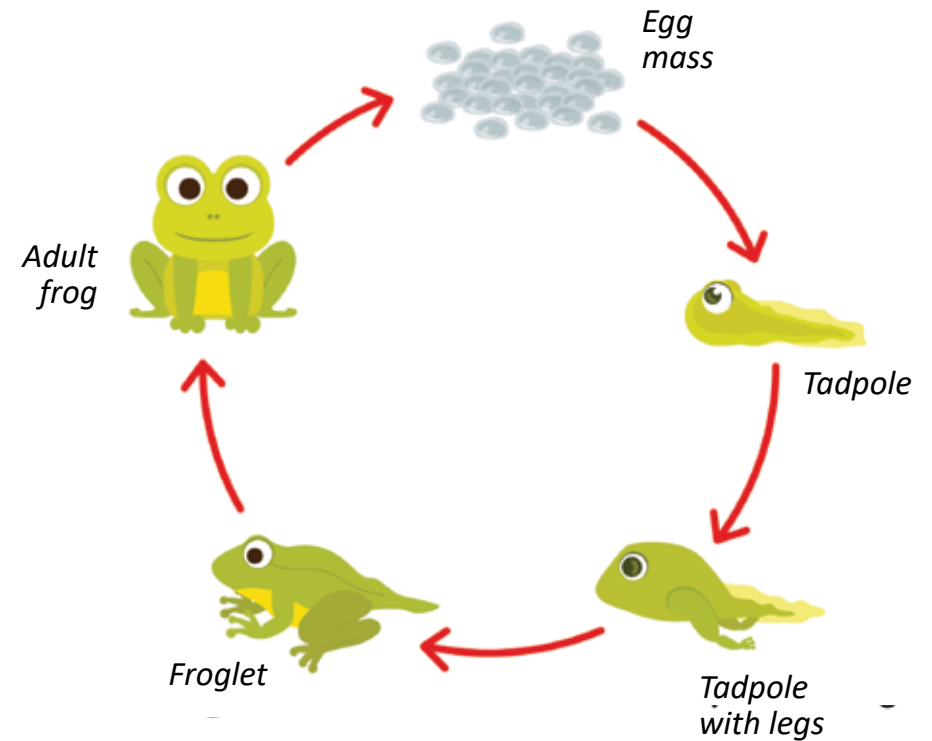
Life Cycle of Frogs

Baby frogs come from eggs. Baby frogs are called tadpoles.

Tadpoles grow into young frogs called froglets.

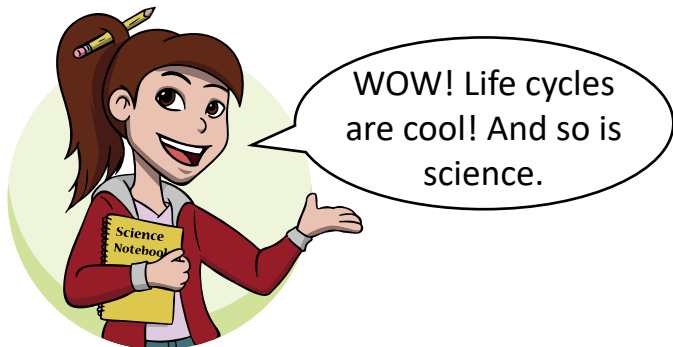
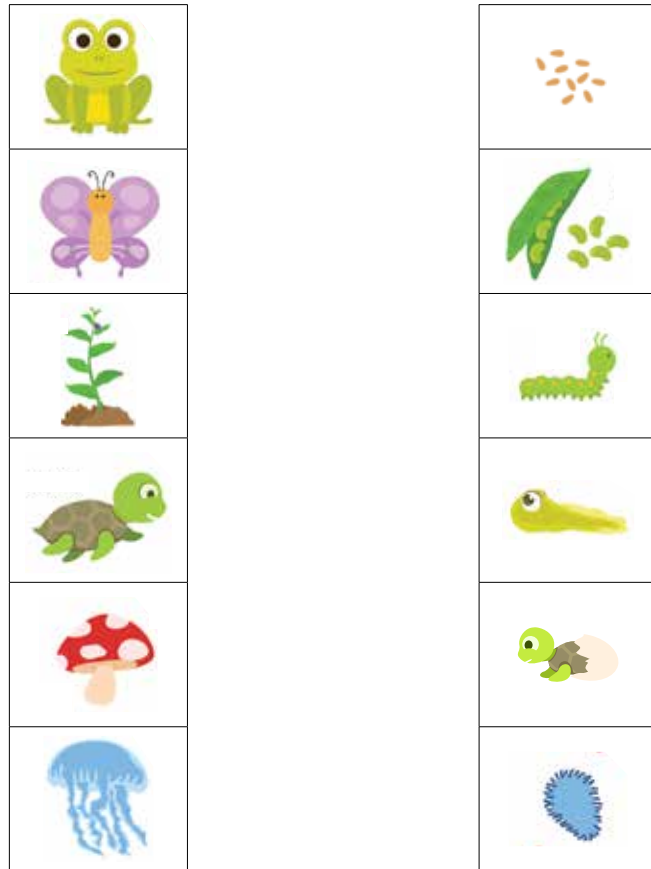
Froglets keep growing to become adult frogs.

Adult frogs lay eggs to begin the next life cycle.



Did you know that tadpoles have gills to breath under water, but adult frogs have lungs to breath in air?

Match the adult to the baby



AFTER READING

Ask your child what the book was about and encourage them to re-tell it in the order in which it appeared.

Discuss the following with your child to assist in understanding the content of the book:

- What is a baby frog called?
- How is a caterpillar different from a butterfly?
- Why do you think baby turtles are called 'hatchlings'?
- What is your favourite baby animal?

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Life Cycles

Biological Sciences

In this book Suzie the Scientist helps us learn about life cycles. We learn that different types of plants and animals have different types of life cycles. We explore the characteristics of these life cycles in plants, animals and fungi. Suzie also shows us that the names of living things change as they go through different stages of life.

Australian Curriculum: All books in the 'Suzie the Scientist' series are written for the *Australian Curriculum: Science* and align directly to what children learn in the classroom. This book addresses the learning outcome "Living things grow, change and have offspring similar to themselves" from the Biological Sciences sub-strand.



WOW!
Life cycles are cool! And so is science.

PARENTS, READ ALONG WITH SUZIE!

Throughout this book Suzie the Scientist tells us interesting scientific facts. Use these pages to encourage further interest and discussion about **life cycles** with your child.

Suggested Reading Level:



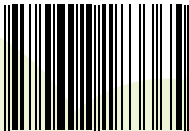
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