



Title: Looking after plants and animals Part 2: Life Cycles

Level: FIRST

Links to Curriculum for Excellence

Experiences and outcomes	Benchmarks
I am learning about where living things come from and about how they grow, develop and are nurtured. HWB 1-50a	<ul style="list-style-type: none">Identifies what is needed for growth and development of animals, plants and humans.

The learning intentions and success criteria are met with delivery of both parts of this topic.

Learning intentions

- Children learn what plants (fruit and vegetables) and animals (pets) need to grow and develop.
- Children learn that all living things need to be cared for and nurtured.
- Children begin to relate their learning to their own development and growth.

Success criteria

- I know what affects the growth of plants; that plants need water, soil, space, sunlight and air to grow.
- I can describe how to care for plants and animals (pets).
- I can sequence the life cycle of specific animals.
- I can investigate factors that affect the growth and development of living things.
- I am beginning to understand and describe the things I need as a child to grow and develop.

Resources to support this activity.

- PowerPoint slides
- The life cycle of the butterfly:
http://www3.canisius.edu/~grandem/butterflylifecycle/The_Lifecycle_of_a_Butterfly_print.html
- The life cycle of a butterfly <https://youtu.be/O1S8WzwLPIM> (duration 5 minutes 15 seconds)
- The life cycle of a frog <https://youtu.be/FIXoJYbBIs0> (duration 5 minutes 6 seconds)
- The life cycle of the frog: <https://learning-center.homesciencetools.com/article/life-cycle-frog/>
- The life cycle of the frog: <https://kiddyhouse.com/themes/frogs/life-cycle-of-a-frog/>
- Paper plates/pens/crayons for art activity

Whenever you use content on a platform like YouTube, please cue the film you intend to play in advance, check it is the film you want to view, and skip adverts.

Activity

1. RSHP learning is enhanced if children can sit together, start this way. Recap the last lesson where the class spoke about looking after plants. What do they remember a plant needs to grow and flourish? If it helps, look again at one of the short animations about what plants need.
2. Explain that the children have looked at how a plant starts (from a seed) and then grows, this is the life cycle of a plant. (How are your beans doing?) Today the children will look at how insect and animal life starts, grows and develop.
3. **Life cycle of a butterfly** (*Some alternative sources/resources to be considered*)
First the butterfly – ask if anyone knows how a butterfly starts its life. You can use the slides provided and explain:
 - An adult butterfly lays an egg.
 - The egg hatches to a caterpillar (larva).
 - The caterpillar forms a chrysalis or pupa.
 - The chrysalis matures into a butterfly.

Or: Use this online information which has photos and descriptions to view with the children: The life cycle of the butterfly:

[http://www3.canisius.edu/~grandem/butterflylifecycle/The Lifecycle of a Butterfly print.html](http://www3.canisius.edu/~grandem/butterflylifecycle/The_Lifecycle_of_a_Butterfly_print.html)

A further option is to watch **the life cycle of a butterfly** <https://youtu.be/O1S8WzwLPIM> (duration 5 minutes 15 seconds) Pause at 4 minutes 48 to show the life cycle represented.

4. **Life cycle of the frog** (*Some alternative sources/resources to be considered*)
Move on to think about the life cycle of the frog – share the slide with images of tadpoles and frogs – ask, does anyone know how a frog starts its life? Anyone ever seen any in ponds?
 - The female frog lays eggs and the male frog fertilises them.
 - The eggs hatch and become early tadpoles
 - Then the tadpoles grow and become froglets
 - Then the little froglets become frogs.

Introduce and watch the animation **Life cycle of the frog** <https://youtu.be/FIXoJYbBlS0> (duration 5 minutes 6 seconds) This film has text but no narrator, as teacher read the text out as it appears.

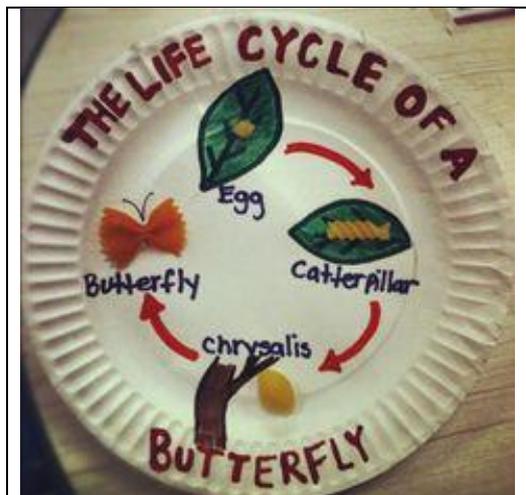
Pause at 4 minutes 47 to show the life cycle represented.

Go back to your slide, check understanding, explore any questions.

An alternative to the slides provided and animation is here, a page with text and images to be explored with the children: <https://learning-center.homesciencetools.com/article/life-cycle-frog/>

There are downloadable images here: <https://kiddyhouse.com/themes/frogs/life-cycle-of-a-frog/>

5. **Activity:** Ask the children to pick either the butterfly or the frog. On a paper plate they can divide into 4 sections and on each draw a picture of the butterfly or frog from its early stage of the life cycle through to the adult butterfly or frog. They can write some words from your slides if they want to. All for display and presentation – then to take home.



Connecting with home

Some text is provided with activity 1.

Further learning activities are available that connect to this RSHP curriculum content

Looking after plants and animals: Plants

Looking after plants and animals: Looking after pets

Practitioner Notes

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