

**Y1/2 Year A Summer Term**  
**Topic: Travel and Explore**  
**Subject: Science – Life Cycles**

**National Curriculum Objectives**

- observe and describe how seeds and bulbs grow into mature plants
- notice that animals, including humans, have offspring which grow into adults
- identify and describe the basic structure of a variety of common flowering plants, including trees
- observing closely, using simple equipment
- using their observations and ideas to suggest answers to questions

**Links to our school values:**

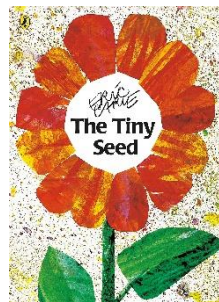
Thankfulness  
Respect

**Texts to support learning**

**Fiction:**

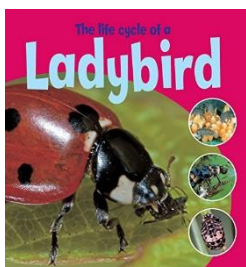
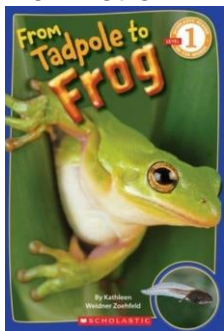


Tadpole's Promise-  
Jeanne Willis



The Tiny Seed-  
Eric Carle

**Non-fiction:**



**Key Knowledge and Vocabulary**

*During this unit children will observe caterpillars changing into butterflies in our butterfly hatching kit, tadpoles developing into froglets and hopefully, ducklings hatching from eggs in our incubator.*

Know that all **living things**, including **plants** and **animals**, go through **life-cycles** and that a life-cycle is a series of stages.

Sequence and describe the life-cycle of a: butterfly, frog, duck, ladybird, plant which grows from a bulb, plant which grows from a seed.

Sequence and describe the life-cycle of a butterfly using the words **egg, caterpillar, pupa, butterfly**.

Know that caterpillars turn into butterflies through the process of **metamorphosis**

Sequence and describe the life-cycle of a frog using the words **frogspawn, tadpole, froglet, frog**.

Know that tadpoles turn into frogs through the process of **metamorphosis**.

Sequence and describe the life-cycle of a ladybird using the words **egg, larva, pupa, adult**.

Know that ladybird larva turn into adult ladybirds through the process of **metamorphosis**.

Sequence and describe the life-cycle of a duck using the words **egg, hatch, duckling, adult duck**

Sequence and describe the life-cycle of a plant which grows from a bulb, such as a daffodil, using the words **bulb, roots, shoot, stem, leaf, flower**. Know the name of the parts of the plant

Sequence and describe the life-cycle of a plant which grows from a seed, using the words **seed, germinate, shoot, leaf, plant, flower**.

Know that seeds are **dispersed** and that new plants grow from these seeds.

Know how seeds are dispersed