



**Highly Commended**

# **Models & Inventions**

## **Year R-2**

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# The Four Stages of a Plant Lifecycle

## 1. Seed

The life cycle of a plant begins with a seed. A seed has a protective coating called the shell. Inside the seed coating is an embryo, which will become the new plant.

## 2. Germination

Seeds need 4 things to grow: oxygen, moisture, sun light and the right temperature. When the proper conditions are met for the seed, it will begin to sprout.

## 3. Seedlings

A small plant called a seedling will then poke its way out of the ground and start growing towards the sun light. The seedling gets many of the nutrients it needs to grow from the soil through its roots. The seedling also gets nutrients from the sun.

## 4. Adult Plant

The seedling grows into an adult plant. The adult plant produces flowers. The flowers produce seeds which ensure that the life cycle continues. An adult plant has leaves, roots and a stem.

To make my model I got a cardboard box and my Daddy got a sharp knife and cut a hole in the side of it. Then I got another cardboard box and my Daddy helped to cut it to make it into a small rectangle that we put a piece of wood inside of.

I painted everything then daddy put the smaller box inside the bigger box.

Then we closed the back up.

I didn't have any problems making my project.

To use my model, spin the inside box around to see each stage of the plant life cycle and watch the plant grow.