



Reception - How do tiny things grow and change into something amazing?



Should we try to solve problems even when they seem tricky?

How can we make something travel safely without breaking it?

How can we tell if something is alive?

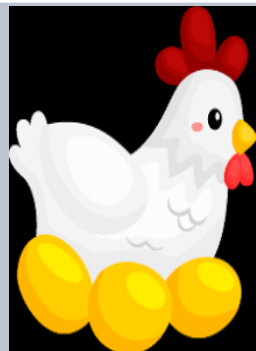
What do caterpillars and plants need to grow?

How do living things change as they grow?

Why should we care for and celebrate living things?



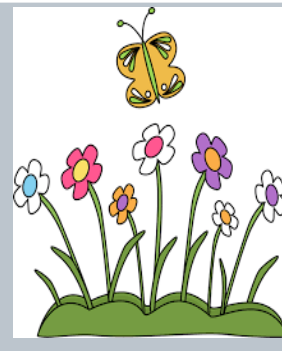
Part 1



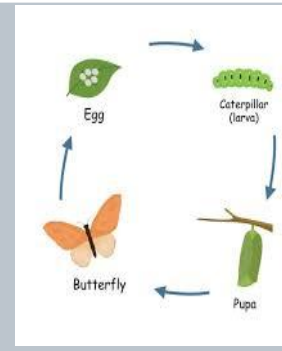
Part 2



Part 3



Part 4



Part 5



Part 6

Why am I learning this?

Children are learning this to begin developing confidence, resilience and curiosity when faced with challenges. Through story, they explore the idea that problems can be solved by thinking, trying ideas and not giving up, even when outcomes are uncertain.

My learning experience

Children engage with *Jack and the Beanstalk* through storytelling, role-play and discussion. They talk about Jack's choices and the problems he faces. Adults model open-ended questioning and encourage children to suggest solutions. Children explore cause and effect through play and talk, supported by collaborative activities.

Why am I learning this?

Children are learning this to develop perseverance, critical thinking and problem-solving skills. They learn that ideas can be tested, changed and improved, and that working with others helps us solve problems more effectively.

My learning experience

Children take part in a STEM investigation to help Jack transport eggs safely down the beanstalk. They explore materials, test ideas and make changes when things do not work. Adults support children to talk through their thinking, compare outcomes and reflect on what helped them succeed.

Why am I learning this?

Children are learning this to begin making sense of the natural world and recognise that living things grow and change. This supports curiosity and helps children understand that living things need care.

My learning experience

Children are introduced to *The Very Hungry Caterpillar*. They explore indoor and outdoor environments to look for living and non-living things. Through talk, drawing and photographs, children share what they think is alive and explain why, supported by adult questioning and shared vocabulary.

Why am I learning this?

Children are learning this to understand that living things depend on care and that growth takes time. This develops patience, responsibility and early understanding of change over time.

My learning experience

Children plant seeds and observe caterpillars (real or represented). They explore soil, water and sunlight and begin regular care routines. Children compare growth using non-standard measures and talk about changes they notice. Adults support children to record observations through drawings, mark-making and simple digital tools.

Why am I learning this?

Children are learning this to understand that change happens in stages and cannot be rushed. This supports resilience and helps children recognise patterns and sequences in the natural world.

My learning experience

Children explore the life cycle of a caterpillar through stories, sequencing activities, small-world play and discussion. Healthy eating is explored through caterpillar food choices. Children explain changes using talk and visuals, supported by adults modelling language linked to time and sequence.

Why am I learning this?

Children are learning this to reflect on how their actions make a difference. Celebrating growth and change helps children develop pride, empathy and a sense of achievement.

My learning experience

Children plan and take part in a bug ball celebration and a butterfly release day. They revisit earlier observations, talk about what has changed and share their learning with others. Children reflect using drawings, talk and digital recordings, supported by adults.