### Year Level: Prep | Date: Term 2, 2013

### Host Subject Areas: Science, Discovery Curriculum, Literacy and Numeracy

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### The Big Idea:
- Humans rely on a variety of living and non-living things. These things have different characteristics. But we have to take care of living things differently to non-living things. Plants need water, light and air to grow. We need plants to use for food, clothing and much more. Animals need water, food, air and shelter. As humans, we have the responsibility to care for ourselves and other living things so that our own needs are met and to ensure that the world will always be full of diverse living things.

### Sustainability Thread:
- Human intervention such as depositing waste and rubbish in marine ecosystems puts the survival of living things at risk
- Conservation is necessary to preserve marine environments

### Key Understandings
- The world is made up of living and non-living things.
- There are various living things – these grow and change.
- Living things need different things to grow.
- Some living things need help from humans to survive and grow.
- Some living things rely on non-living things to survive.
- Plants make their own food, and animals hunt for their food.
- Living things need to reproduce in order to survive.
- Conservation is necessary to preserve living things.

### Values and Attitudes
- All living things have a purpose.
- Living things provide food, clothing etc for humans etc
- Living things need to be valued and protected.

### Skills
- Questioning
- Organising
- Listening
- Observing
- Comparing
- Classifying
- Explaining
- Reporting
- Ordering Events
- Representing ideas in a variety of ways
**Literacy Activities:**
- Labelling activities eg parts of a plant
- Sequencing eg photos of planting seeds
- What am I? eg chn to write basic clues about a living thing for others to guess
- Chn to write a simple sentence or two about an animal’s habitat eg A frog lives in the pond.
- Chn to keep a simple diary about the growing beans.
- Reading simple facts about a living or non-living thing.
- Writing simple facts about a living or non-living thing.
- Procedural writing
- Living or non-living thing of the day….Provide simple clues each day and the chn must guess what it is.

**Numeracy Activities**
- Patterns – using pictures of bugs, animals etc
- Skip counting – 2’s (feet)
- Days of the Week
- Measurement – How tall the beans grow or how many days for the beans to grow.
- Counting eg what the caterpillar ate in the story *The Very Hungry Caterpillar*
- Graph – favourite animal
- Chance and Data – Predicting what days the beans will first shoot.
- Mapping – Mrs V-G’s vegetable garden – chn to follow the instructions and draw certain number of vegetables in the different grid squares

**Discovery /Integrated Curriculum Activities**

Discovery Corner/Table with:
- Magnifying glasses, bug catcher boxes, tweezers
- Books about lifecycles, living and non-living, plants etc.
- Living and non-living sorting cards for children to borrow and use.
- Life cycle picture cards for children to sequence
- Different objects including shells, marbles, pretend sea creatures, animals, insects, leaves etc for children to discuss, investigate and sort