

Key competencies focus

Learning area: Science

Curriculum level: 2

Thinking

There are different ways in which people understand and think about our world. Reading, writing, listening, and speaking provide opportunities to do this. Searching for knowledge and answers to questions is important.

Big science ideas

- Green plants need sun to grow.
- Science context: Growing beans under different conditions (Living World).
- Investigative question: What would happen to beans if they didn't get any sun?

Using language, symbols and texts

We use texts and symbols in different ways according to our purpose and audience, for example, flowcharts, greetings, number stories, recipes, maps, instructions, experiments.

Links to Mathematics standards (after two years at school)

In contexts that require them to solve problems or model situations, students will be able to:

- compare the lengths, areas, volumes or capacities, and the weights of objects and the duration of events, using self chosen units of measurement.

Measurement and statistics tasks

- Measure and graph bean plants growing under different conditions (sun/shade/dark).
- Compare graphs and infer from the trends whether beans grow better in sun or no sun.

Links to the nature of science: Communicating in science

We use explanations to explain why we think things happen.

- L2 A.O – Build their language and develop their understandings of the many ways in which the natural world can be represented.

Links to Writing standards (after two years at school)

Students understand the purpose [of an explanation] and will write using a process, drawing on the knowledge, skills, and attitudes that will help them achieve their purpose, including information and/or ideas that relate to a curriculum topic, supported by some (mostly relevant) detail.

Writing task

- Write an explanation of why green plants need sun to grow.
- Compare and evaluate the graphs and written explanations – What is the purpose of each and what does each tell us/not tell us?