

Canning Vale Primary School
Whole School Approach to Science
2016 - 2017



Whole School Science Targets

The focus is on Science Investigating

1. Reduce the percentage of Year 3, 4, 5 & 6 students achieving a D grade on the school reports
2. Increase the percentage of Year 3, 4, 5 & 6 students achieving a B or A grade on the school reports

Whole School Teaching Strategies and Expectations

Expectations of every classroom are:

- use of class journal - K- 2
- use of a science journal – 3 to 6
- use of word wall - K to 6
- co-operative learning strategies/team skills – K to 6
- science lesson every week as a minimum – K to 6 in the Science Room (2016)
- use of the 5E model (Engage, Explore, Explain, Elaborate and Evaluate)
- ongoing assessment with moderation on student work samples twice a term – Yrs 3 to 6
- integration of science investigations into other learning areas
and
- Teachers in Years 3-6 will analyse Year Level CATs data and translate analysis into planning. Planning must reflect differentiation.
- Explicitly teach the language of science from K- 6
- Use of Primary Connections as a planning starting point
- Year level teachers will plan co-operatively and moderate regularly student work samples

Data Collection and Planning

- Years 3, 4, 5 and 6 CATs Assessment
- K – 6 moderated teacher judgement against SCSA exemplars, Primary Connections Rubrics and the Australian Curriculum achievement standard
- Use Queensland planning document based on the Australian Curriculum to develop year level operational plans

Resources

- Scientist in schools (if available)
- Collaboration with the Scitech educational team to arrange yearly incursion related to topics taught in class
- School learning garden as an alternative outdoor classroom
- Sustainability Planning Grid
- One teacher per year level to assume responsibility of lead teacher for Science
- Plan common D.O.T.T. to enable shared planning and moderation
- One hour per term allocated for moderation within year levels
- Funds allocated through the Science budget (D5305) for the extension of resources such as Science Literacy kits, science dictionaries, microscopes, funding of Stretch/ Bugclub programs, celebration of National Science Week and integration of Science with other learning areas.
- Parent involvement in the Learning Garden and Sustainability programs to share experiences
- Staff will promote Science through school newsletter and website
- Participation in the Simply Carbon Project (in partnership with Curtin University)