

Northern Territory Board of Studies Guidelines

Sally Bruyn Primary School Science award

To be eligible for this award the student must be in Year 6 and demonstrate achievement and interest in science knowledge and understanding.

Criteria

School teachers are to provide a statements demonstrating the student's achievement against the criteria of academic achievement in science and demonstrating their interest and effort in science.

Academic Achievement in Science (maximum 500 words)

In writing a statement regarding the academic achievement of your nominated student, consider aspects of the following, ensuring supporting evidence is provided.

- Evidence of student's achievement in their application of Science as a Human Endeavour and Science Inquiry Skills against the Year 6 [Australian Curriculum: Science](#) Achievement standard.

Demonstration of interest and effort in Science (maximum 500 words)

Consideration of the level of interest and effort the student displays for scientific solutions and an understanding of the role entrepreneurship plays in taking the solution from prototype to practice. This is not limited to science learning at school and may include any other science-based opportunities.

Student response (Communicate the method and findings of the investigation)

Year 6 science investigation – solubility

Science learners will use sugar, salt or a common kitchen food of their own choice to:

1. Investigate the solubility of sugar, salt or a common kitchen food in water using the [scientific method](#):
 - make an observation
 - ask a question
 - form a hypothesis, or testable explanation
 - make a prediction based on the hypothesis
 - test the prediction
 - iterate: use the results to make new hypotheses or predictions
2. Record what you did, and what you discovered using the terms listed below.
3. Terms to investigate and use when you communicate your findings:
 - soluble, insoluble, solubility, solute, solvent, solution and saturated.

Resources for science learners:

- [Testing the Solubility of Common Liquid Solvents | Science project | Education.com](#)
- [Chem4Kids.com: Matter: More Solutions](#)

Submit:

You can present your findings using a PowerPoint, video or other multimodal method.

Panel criteria

Students have effectively demonstrated evidence of:

Scientific communication

- a clear explanation was presented
- effectively used scientific representations or diagrams.

Scientific concepts and related content

- appropriately used scientific terminology
- provided evidence of understanding to relevant scientific concepts, principles or theories (big ideas).

Nature and development of science

- Science involves testing predictions by gathering data and using evidence to develop explanations of events and phenomena and reflects historical and cultural contributions.