Nomination guidelines

Sally Bruyn Senior Primary School Science Award

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

Criteria

Teachers provide a statement demonstrating the student's achievement against the following criteria:

1. Academic Achievement in Science
2. Demonstration of interest and effort in Science

1. 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.

2. 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.

Additional information

Students response

Big picture thinking is used in science to solve many problems and, in technology, engineering and mathematics to design new solutions.

The Australian Curriculum: Science, Year 6 Achievement Standard states:

'(students) describe and predict the effect of environmental changes on individual living things. Students explain how scientific knowledge helps us to solve problems and inform decisions and'

Currently, there are a number of geographical locations experiencing major ‘bush fires’, and this has led to a lot of political commentary, and political and private action to solve the problem of how to extinguish the fires. The location that is receiving the most publicity is the Amazon, with the French Prime Minister stating the Amazon is the ‘lungs of the planet’.

What does the term ‘lungs of the planet’ mean?

Compare the following Science Alert articles as a provocation:

- article number 1
- article number 2
Students are to take on the role of science communicator to report to a worldwide audience on this topical problem currently effecting Planet Earth, ensuring they are accurately communicating the science concepts and related content.

Students can present their ideas, findings and conclusions via a range of media for example: presentation, report, poster, multi-model text or recording.

**Panel criteria**

Students have effectively demonstrated evidence of:

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

b. **Scientific Concepts and Related Content**
   - appropriately used scientific terminology
   - provided evidence of understanding to relevant scientific concepts, principles or theories (big ideas)