

Science

1.0 Rationale

The study of science provides students with the challenge of discovery and explanation. Learning Science and its methods of investigation encourages children to develop a curiosity and spirit of inquiry, helping them to be open-minded and value objectivity. It encourages students to articulate science values and accept the ethical principles embedded in science research. Building students' science capability is critical to help them develop the skills and understanding necessary to meet these challenges and make responsible, informed choices.

2.0 Goals

Through learning Science, students will:

- Come to understand how science and technology relate to society and the environment.
- Explore how science is used in multiple contexts throughout their lives.
- Acquire and use the skills of scientific investigation, reasoning and analysis to ask questions and to seek solutions and develop conceptual knowledge.
- Be made aware of safe practices including the safe use of scientific apparatus including heating and electrical equipment, the safe handling of living and non-living organic materials and the correct use and disposal of chemicals.

3.0 Implementation

Through Science our students will:

- All classes have a weekly session timetabled in the Science Lab.
- Participate in activity centred experiences that are, wherever possible, integrated into the sequential program focusing on developing their Science Understanding, Science Inquiry Skills and Science as a Human Endeavour.
- Develop deeper understandings of concepts as they learn to be curious and to find answers to their questions as they design and pursue investigations ethically and safely.
- Generate, validate and critique evidence.
- Analyse and interpret ideas, linking them with existing understanding.
- Work and reason with scientific models and communicate their findings and ideas to others.
- Identify and practise the underlying values, skills and attributes of science while working co-operatively with peers.
- Work in co-operative groups to develop essential skills of collaboration and teamwork.
- Follow the Cheltenham East Primary School instructional model.

4.0 Resources

- Victorian Curriculum
- Primary Connections Units
- Digital resources
- Science lab resourced with necessary equipment and representational supplies



5.0 Evaluation

- Student evaluation will be reported formally mid-year and at the end of the year using Victorian Curriculum progression points.
- Individual progress will be recorded by the teachers throughout the year using a variety of assessment techniques.
- Auditing tools will be collected and collated in regards to classroom practice and student preferences towards learning Science.
- The Science Program will be reviewed biennially.

6.0 End of Document