



## Science Policy

### Purpose:

- The Science curriculum provides opportunities for students to develop an understanding of important scientific concepts and processes, the practices used to develop scientific knowledge, the contribution of science to our culture and society, and its applications in our lives. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate, if they so wish, in science-related careers.

**The teaching of science will follow the Victorian Curriculum F-10**

<http://victoriancurriculum.vcaa.vic.edu.au/science/introduction/scope-and-sequence>

### Aim:

- Provide explicit teaching across all science understandings and science inquiry skills.
- To communicate scientifically and develop critical and creative thinking skills to new situation and events.
- Provide opportunities to transfer skills to real life situations.
- Raise the profile of science in the school and the community.

### Implementation:

- Teachers will create a positive climate for learning with high expectations for all students in science by promoting intellectual engagement and self-awareness.
- Teacher use agreed term planner for all inquiry units including science which will focus on the 'Big Question' to be used to generate student interest via an inquiry approach.
- The science curriculum be audited at the end of each year to ensure all sub-strands have been covered in our 3 year cycle of inquiry.
- A min of 2 out of 4 inquiry units will have a science focus each year.
- Our STEM program is additional to our regular science program incorporating Science, Technology, Engineering and Mathematics in multi age groupings when appropriate.
- Teachers will source a variety of resources to ensure a diverse range of activities and challenges that cater for the varying interests and knowledge of all students.
- Access relevant virtual learning experiences via digital technology.

- Planning documents will incorporate the cross curriculum areas of Sustainability , Australia's engagement with Asia and Aboriginal and Torres St Islanders histories and cultures
- Inquiry planners will be stored in paper and electronic format to create a documented resource of our curriculum
- Teachers will ensure lesson delivery consistently use HITS ( High Impact Teaching Strategies)
- The school will promote science via
  - excursions and incursions relevant to the current unit of work using local resources and expertise such as those provided 'Earth Education Ballarat' and the 'Nalderun Aboriginal' community.
  - Connections to the community such as invitations to local scientists, connecting science to art and involvement in science based community events.
  - Participation in National Science week including our annual 'Invite a Scientist to Dinner'.
  - Linking science to mathematics, reading and writing activities as part of the daily programs.
  - Providing opportunities for science to be explored in both the visual and performing arts programs.
- Staff will be provided with professional learning opportunities on a regular basis.
- The school will provide sufficient funds to the science budget each year to help facilitate a quality program
- Student reflection enhanced by programs such as Flip Grids and/ or science journals
- Evidence of learning captured by oral presentations, photographs, posters and recording.
- Feedback of students work via G Suite for grade 3-6 and student G Mail accounts.

#### **Assessment:**

- Comparing students results against work samples supplied by VACC that illustrate satisfactory achievement in relevant aspects of the curriculum (link to be supplied when samples are developed)
- Checklist for reports modified to reflect progress on learning outcomes relevant to the unit taught as part of the whole school reporting process
- Teacher created assessments using Kahoot
- Reflecting on success criteria statements for each lesson / project

#### **Evaluation:**

- This policy will be reviewed 3 years. This policy was ratified by school council on 30/8/2018