



Build 21st Century Learning Skills Report to School Board

Julie Blogg, 29 Oct 2019

The Focus area for the 2019 – 2021 Business Plan, Build Student's 21st Century Skills was established this year for the first time. The following milestones and key actions achieved this year are:

- A school coordinator (Julie Blogg) and technical support coach (Hannes Bernhardt) have been appointed.
- A 21st Centuries learning Skills Committee has been set up, roles assigned and action plan formulated.
- More equipment has been purchased for use in STEM subjects.
- The junior and senior teaching staff each received two half day sessions of professional development and coaching on the use of some of the new resources in the STEM Centre at the library and how these can be integrated into the Digital Technologies Curriculum.
- The Education Assistants have had training on using the Office 365 suite.
- Each class was allocated a 5 week block of time for Semester 1 and Semester 2 to work together with Hannes on a STEM project.
- STEM projects have included; design and 3D printing of key tags, data analysis and use of excel spreadsheets to present graphs and infographics and building test equipment to identify properties of different materials.
- The Maker Space after school club has operated all year with an increase in student numbers.
- Selected students have been trained as experts in different skills eg. 3D printing, IMovie, Tinkercad, LittleBits.
- As per requirements of the Digital Literacy Grant, collaboration between PEAC and North Albany SHS has occurred and the school has provided learning for teachers and students from year 7-9 and other primary schools in the district.
- Hannes Margriet and Julie attended PD on entering students in the solar car challenge next year.
- Whole school scope and sequence for Digital Devices draft has been written.
- Library laptops were upgraded with higher specs to facilitate better use with new software programs.
- Marine Studies group has continued their fish count this year and new cameras have been purchased for future years.
- Furniture has been purchased for the new science room build which will happen this term.
- Sustainability practices have continued to be implemented with the delivery of the Stephanie Alexander Kitchen program to year 2-4 students and an upgrade of the vegetable gardens in the junior block.
- Eco School's Committee were involved in planting trees for the Koalas at Discovery Bay.
- Data collected from staff surveys have shown positive trends in confidence with integrating digital technologies into other curriculum areas and use of a variety of new technologies.
- STEM equipment including digital devices, computers and tablets have been audited.
- Darryn and Julie completed Principals as STEM Leaders course funded by the Australian Government Department of Education and Training.

Where to from here?

- Students to enter in the solar car challenge next year.
- Data to be collected on students' skills and thinking capabilities.

- Review whole school scope and sequence for Digital Devises.
- Technical support coach will be employed for next year.
- Create a 5 year replacement schedule for Technology infrastructure and resources.
- Explore models to use across whole school for problem solving, critical and creative thinking and investigating.
- Plan and implement a whole school scope and sequence for the teaching of thinking skills.
- Continue with the 5 week block planning for integrated STEM projects across all classes.
- Continue building capacity across staff with targeted Professional Development and support.
- Investigate ideas for community projects that students can become involved in to enhance the value of building 21st Century learning skills.

Room 2 and Room 3 Honey Tasting Day

A couple of weeks ago room 2 went to the Science Room to try and taste honey with room 3. Room 3 organised everything. We tried 7 different honeys. We had to be partners with someone from room 3. I was partners with Eloise.

My favourite thing about it was tasting the honey.



We all got a piece of paper with all the flavours on it.



There was a table with bowls of all the different honey in them.

On the table there was also some plates with small, triangular pieces of toast on them. We had to spread honey on the pieces of toast. Then we had to eat it and see what it tasted like. Then we had to write our opinion of whether we liked it or not under the flavours on the piece of paper. We had to do that for every flavour of honey.



When we had finished writing our opinion down we had to choose our favourite honey. My favourite honey was creamed honey.



It was very interesting and fun. I really enjoyed it.

