

SCIENCE AND ENVIRO SCIENCE 2019-2020

Board Presentation

CURRENT ENVIRO AND SCIENCE AT MBS

- Currently Science is taught through our Integrated Inquiry programme.
- Enviro-Science is currently taught on a Friday through the technology rotation.
- Science Clubs (Years 3 - 6)
- Weekly Science Lessons in the Intermediate School.
- Senior and Intermediate Teams competed in our own Science Fair

SCIENCE BADGES

- Introduced in 2018.
 - So far in 2019 we have given out 85 badges with one class still to go through this enviro-science rotation
 - Students love this and are really motivated.
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- Idea for 2020 is to make our own Maraetai Beach ones which incorporate all three rotations and are localised to what we do here with Enviro Science to work hand in hand with the science badges.

ENVIRO SCIENCE

During 2019 Enviro-Science has continued to run as part of the Friday Technology Rotation. This rotation has been run in 13 week blocks.

There will be 4 or 5 Enviro Science Mornings during these blocks. Enviro Science will cover the following:

- Waikopo Restoration Project
- Shore Birds
- Meter Squared Project
- Beach Clean ups
- Planting Days
- Learning to use pest traps
- Flora and Fauna studies at Omana with DoC

ENVIRO

- Worm Bins
- Tidy Kiwi Garden
- Litterless lunch warriors
- Enviro Club
- Paper bins and Paper for Trees
- Bee's (going in during the October holidays)
- Rain Garden - what they are and how they work
- Class gardens
- 1600 Trees for Trees for Survival.

ENVIRO 2020

- Changes to how this is run.
- Classes to each have “Enviro Warriors” who will start to take ownership in running enviro around the school and leading more of the enviro initiatives in order to take us to Green Gold.

ENVIRO SCHOOLS

Enviro Schools will cover the following projects:

- Trees for Survival (there is a chance that our current plants - 1000 saplings) will be planted into our local community when the Puhutakawa Coast Presbyterian Church signs up for the Trees for Survival Program.
- Composting and worm bins
- Recycling and upcycling projects
- Class Gardens - beginning to integrate garden to table

This year we have worked towards our silver accreditation and this will be awarded to us early next year - this is part of our strategic plan.

WEEKLY SCIENCE LESSONS

Teaching Science in our Intermediate is one of our biggest areas of need when we look at transitioning our learners to Howick College.

The Intermediate School has been teaching science as a formal part of the curriculum once a week for at least half an hour. These will continue in 2020 with further work going into developing this.

During term three, the focus was on Science Fair and teaching the scientific process skills - this is part of our strategic plan.

SCIENCE THROUGH INQUIRY LEARNING

In 2019, Science we taught through Planning Period 2 with the topic “Through a Scientific Lens” which will focus on chemistry outcomes across the school.

Junior and Middles had a fantastic time doing experiments and learning about chemical changes. Everyone was very excited about Science!

Senior and Intermediates did Science Fair.

2020 & 2021 planning to take place on Teacher only Day.

RESOURCING

- What we have bought this year:
 - Digital Microscopes
 - Lego and building supplies for technology Science Badges
 - Lots of consumable resources which were needed for science badge learning and science experiments for PP2.
 - Gardening tool, seeds and plants for class gardens.
- Going into to 2020 we would like to look at further resourcing for science badges, enviro science resources (like binoculars, spades, watering cans, garden forks etc), more worm bins and compost bins, shelving for our shed and storage and organisation for up in the enviro shed.