

# SCIENCE 2018/2019

**Board Presentation**

# CURRENT SCIENCE AT MBS

- Currently Science is taught through our Integrated Inquiry programme. Roughly one or two planning periods a year.
- Enviro-Science is currently taught on a Friday through the technology rotation. Intermediate students currently get one term of science and enviro-science learning per year.
- During terms 3 and 4 of 2018 we have been trialling the use of the Science Badge through the Science Awards Trust.
- Enviro-Schools runs as an elective lunchtime activity.

# SCIENCE BADGE

This is a program which is run through the Science Awards Trust.

Students between Years 7 and 10.

The purpose of the badge is to get students interested and learning about a series of science activities.

There are 29 different topics available for students to choose from. There is plenty of variety for learners to choose topics which interest them.

Each science badge has about 47 points per sheet on it for students to choose from which range in difficulty. Students need to complete 20 points in order to receive their science badge.

# SCIENCE BADGE COSTS

Science Badge costs \$6 per badge.

This will be covered as part of the activities cost which is charged to parents.

Each child completes one Science Badge a Year.

# SCIENCE BADGE

Maraetai Beach Intermediate Students will be given the opportunity to spend 8 - 9 weeks to work on the Science Badge of their choice.

This will fall part of the Friday Technology Rotation and will allow students the opportunity to do in-depth learning about a topic which interests them.

It is directly related to the curriculum

Some examples of student work:

# ENVIRO SCIENCE

During 2019 Enviro-Science will continue to run as part of the Friday Technology Rotation. This rotation will 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 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
- Boomerang Bags
- Class Gardens - beginning to integrate garden to table

At the end of 2019 we will apply for our Silver Enviro Schools Accreditation

# 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.

From 2019, the Intermediate School will be teaching science as a formal part of the curriculum once a week for at least half an hour.

I will be speaking to Howick College to find out what basic knowledge we need to teach and then we will add in curriculum requirements to go in with it.



# SCIENCE THROUGH INQUIRY LEARNING

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

# SCIENCE FAIR

During Planning Period 2, the Senior and Intermediate school will be participating the Science Fair.

The top participants from each syndicate will be going through to represent MBS at NIWA.

# RESOURCING

- A stocktake will take place to see what science resources we have.
- Once this is done resources are going to be split amongst the 4 learning teams.
- Staff will be asked for a wish list of science resources once we know what we have and don't have.
- We will then look at getting these resources for the different teams so that they can run more effective science programs across the school.