

## Science Week Details:- Tauranga Region

### For Schools Nationally:

**The Big Science Experiment:-** This is a national activity that butterfly stuff...

<http://www.nzase.org.nz/primaryscience/archive.php>

**Daily Experiment:-** This site has experiments for all ages that can be easily done at school or home and can be found <http://www.nzase.org.nz/primaryscience/archive.php>

### For Schools Locally:

**Technology Challenge:- John Marsh** (Tauranga Intermediate School). Tauranga Intermediate School Gym on Friday 18th May (week 4) 9.00-2.00. Maximum 2 teams per school for the inter-school challenge (this may change if space is available so plan to have a reserve team who may compete and you will be notified a few days before the event). This activity will be limited to 40 teams and will be allocated to the first 40 entries. Practice Technology Challenges will be sent to schools.

**It's Rocket Science-Kevin Piermarini** (Tauranga Intermediate School). Tauranga Intermediate School Lab 1 Monday 7 May at 3.45-4.45. A fun competition using PET bottle rockets to explore flight and how rockets work. All rockets will take off from a 2m ramp made of 1/3 cross section of a 110mm drainage pipe. You will need to bring your modified 1.5lt drink bottle that will be powered by water and compressed air (supplied by onsite hand pump).

**Kitchen Science-Diana Holloway** (Otumoetai Intermediate School). Tauranga Intermediate School Lab 2 Monday 7 May at 3.45-4.45. Cheap, easy and fun kitchen science experiments that can be done with all ages. Bring The Material World to life for your students and get them thinking about stuff in the kitchen.

**Forensic Science-Tori Hannay** (Tauranga Intermediate School). Tauranga Intermediate School Lab 1 Tuesday 8 May at 3.45-4.45. Go on a journey to solve a crime using science. The suspects are investigated using actual forensic techniques so that the culprit can be identified. The science involved in the investigation is explained.

**Science Learning Hub-Machelle Harris** (Tauranga Intermediate School). Tauranga Intermediate School Room 4 Tuesday 8 May at 3.45-4.45. The Science Learning Hub is unpacked, resources and units shared, and the new look website checked out. Using the Science learning Hub to bring real New Zealand Science to the classroom.

**Light-Wendy Campbell** (Tauranga Intermediate School). Tauranga Intermediate School Lab 2 Tuesday 8 May at 3.45-4.45. The session will cover simple and fun activities that explore the nature of light. What is light, how it travels and what light can do are some of the concepts being covered using fun experiments. Suitable for lower and middle school.

**Sky Above & Earth Below-John Marsh** (Tauranga Intermediate School). Tauranga Intermediate School Lab 1 Wednesday 9 May at 3.45-4.45. Hands on experiments for students that explain night sky phenomena and the rock cycle.

**Teaching for Science Fair with less able students-Tracey Kerr-Aim** (Tauranga Primary School) and **Katharine McKenzie** (Selwyn Ridge School). Tauranga Intermediate School Lab 2 Wednesday 9 May at 3.30-4.30. Ideas and strategies to improve your students science fair displays with a focus on less able students. The scaffolding required to present neat, structured, accurate science experiments on time.

**School Experiments (26 of them)- Your school.** Your school at anytime. Having fun with a lot of experiments that are easy to do and cost little. You will be sent a pack of experiments that cost little and are easy to do. Also there are experiments found on the Tauranga Region website. They could be done in class or set up in the hall for the school and community to enjoy, or set as a homework activity. If you have not used the experiments from 2011 they can be found on <http://bopprimaryscience.wikispaces.com/>

**Field trip to New Zealand Marine Services - Michael McCarthy** Meet at 4.00 on Thursday 10 May at New Zealand Marine Services: ERS Black Oil Division. 216-218 Totora Street, Mt Maunganui (Behind

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Ballance Agri-Chemicals). Michael will have a presentation about how waste oil is recovered from a variety of sources which will be followed by a tour of the plant. Please meet outside office front door and Michael will meet up with you.

**Field trip to Bakels Edible Oils - Joy Thompson** Meet at 4.00 on Friday 11 May at Bakels Edible Oils 5 Hutton Place, Mt Joy will have a presentation about how edible oil manufacturing is done at the factory and this will be followed by a tour. Please go to reception and sign in as a visitor, and Joy will meet up with you and arrange the tour.

*In addition:*

If you want a scientist to visit your class and talk about their job, Dr Terry Smith an Industrial Chemist is willing and able to do this and has a presentation prepared for primary schools. His presentation is very attention grabbing and will have your students talking about it for weeks. He can visit your class anytime over the year. Not just during Science Week. His contact details

Dr Terry Smith

Ballance Agri Chemicals

phone: 572 7900

email: [tsmith@ballance.co.nz](mailto:tsmith@ballance.co.nz)

If you want a technologists/engineer to visit your class and talk about their job, Margaret Brunton the Futureintech Facilitator for the Central North Island is able to provide a young person who would be able to describe what they do in their job and how science fits in with this. This is also available throughout the year.

Her contact details:

Margaret Brunton

Futureintech Facilitator for the Central North Island (Futureintech is an IPENZ initiative)

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[centralnorthisland@futureintech.org.nz](mailto:centralnorthisland@futureintech.org.nz)

## Registration

Please register your interest in the various activities as there may be limitations on a number of activities.

[Registration for Tauranga Region Primary Science Week Activities \(link\)](#)