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Details for Hamilton Primary Science Week 2012

Registration for these events is essential

Go to: <http://tinyurl.com/hamsciwk2012>

Title: *Teaching about Issues: Primary Science in Claudelands Bush*

Leader: Miles Barker

Date: Monday 7th May, 2012, 3.30 – 5.00 pm

Venues: Room 1, Waikato Migrant Resource Centre, Claudelands Park, Boundary Road (where we meet at 3.30); and Claudelands Bush, Hamilton

Available to: 10-15 primary school teachers

Cost: Free

Outline: This workshop will focus on teaching and learning about socio-scientific issues, as described in the 'participating and contributing' strand of the Nature of Science in our national curriculum's Science Learning Area. We will share ideas about what issues actually *are*, awakening children's awareness, focusing on alternative scenarios, devising solutions, decision-making and taking action. We shall use Room 1 for brainstorming, and then we shall wander through the adjacent 'dinosaur' forest - a lovely remnant of a once-vast kahikatea-dominated wetland - thinking about its past, present and future, challenging ourselves about what we value most deeply and what kind of a world we want to live in, and thinking about how we can best work with Nature to ensure a sustainable future. We shall round things up in Room 1. This workshop is therefore at the intersection of science education, environmental education, values education and the social sciences (with maybe even some music as well). You will go away with hand-outs and hopefully lots of good ideas for your classroom. And it should have all been fun, relaxing and inspiring!

What to bring: A copy of 'The New Zealand Curriculum', something to write on and with, your raincoat and umbrella, walking shoes, and maybe a camera and a drink bottle. Of course your own sons and daughters are welcome to join us too.

Title: *Bat Encounter* – Weather dependent, may be postponed to Thursday

Leader: Robyn Irving

Date: Monday 7th May, 2012, 5.30 – 7:30 pm

Venue: Hammond Park

Available to: 30 People, Children must be accompanied by an adult.

Cost: Free

Outline: Hamilton city is one of the only cities in New Zealand to still support a resident population of long-tailed bats. Come along to learn about this amazing animal and how we can detect and protect them. For more information on long-tailed bats go to:

<http://hamilton.co.nz/page/pageid/2145849938>

What to bring: Warm clothes, walking shoes, torches.

Title: *Human Evolution*

Leader: Alison Campbell

Date: Tuesday 8th May 2012, 1:30-2:30pm

Venue: Science Lab, Berkley Normal Middle School, Hillcrest Hamilton

Available to: Teachers and Teachers with a maximum of 4 students

Cost: Free

Outline: A show-n-tell about the evolution of humans using skull casts.

What to bring: Camera if you wish to capture any images.

Not required, but you may want to have a look at the following sites before you come along-

http://www.allanwilsoncentre.ac.nz/massey/research/centres-research/allan-wilson-centre-molecular-ecology-and-evolution/teachers--students/teachers--students_home.cfm

<http://sci.waikato.ac.nz/evolution>

<http://evolution.berkeley.edu/>

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Title: *Whizz Bang Chemistry*

Leader: Bill Henderson

Date: Tuesday 8th May 2012. 3:45-4:45pm

Venue: Science Lab, Waikato University, lab F3.06 Hamilton

Available to: Primary Teachers

Cost: Free

Outline: Come along to be inspired by chemistry. This workshop is a combination of whizz-bang demonstrations, and an activity on indicators that can be easily done at schools.

What to bring: Covered shoes, Camera if you wish to capture images.

Title: *Local Stream Ecosystem Study*

Leader: Robyn Irving

Date: Wednesday 9th May, 2012, 10:00am – 12:30 pm

Venue: To Be Confirmed, this information will be emailed out to participants.

Available to: Teachers with up to 4 students. Numbers limited to 50.

Cost: Free

Outline: A collaboration of various outdoor educators that will enable teachers to make use of local stream ecosystems in their teaching.

What to bring: Warm clothes, walking shoes, something to write on and with, camera.

Title: *Culturally Responsive Pedagogy in Primary science classrooms*

Leader: Bronwen Cowie

Date: Wednesday 9th May 2012, 3:45-5:00pm

Venue: Berkley Normal Middle School, Hillcrest. Meet in the staffroom

Available to: Teachers, student teachers

Cost: Free

Outline: Teachers Marion Anderson, Asri Parkinson, Jude Doyle and Ted Glyn and Bronwen Cowie from University of Waikato will share ideas and insights from a research project they worked on together that looked at how to build on students' culture as part of engaging students in science. They will be sharing classroom examples with us.

What to bring: N/A

Title: *Astronomy Evening*

Leader: Hamilton Astrological Society

Date: Wednesday 9th May 2012, 7:30-

Venue: Hamilton Observatory, The observatory is located next to the Hamilton Zoo in Brymer Road to the west of Hamilton City. To find us, follow the Zoo's signs from Avalon Drive or Whatawhata Road. *And please, if you approach at night dip your headlights on the road and use parking lights only (with appropriate care) within the car park area.*

Available to: Everyone

Cost: \$5 Children, \$10 Adults

Outline: The programme varies depending on the time of year, special astronomical events and the viewing conditions. Typically, the evening starts with a talk by one of the society members on one of a variety of astronomical topics. This talk is usually illustrated with slides of planets, comets, galaxies and other astronomical objects. After about an hour, weather permitting, we move outside or up into the dome to view the sky through the telescopes. Society members are on hand to position the telescopes, guide you around the sky and to answer any questions. Go to:

<http://www.has.org.nz/index.html> for more information.

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What to bring: Please dress appropriately for the outside temperature.

Title: ***Science Learning Hub Workshop***

Date: Thursday 10th May 2012, 4:00-5:30pm

Venue: TBC- this will be sent to you once you have registered by emailing:
enquiries@sciencelearn.org.nz

Available to: Teachers

Cost: Free

Outline: Come to this free workshop to find out how you can use the Science Learning Hub to get a better understanding of the nature of science and to plan activities for the classroom using the nature of science strand.

The nature of science is the overarching and unifying strand in the New Zealand Curriculum. The Science Learning Hub unpacks this strand and highlights how you can use Hub resources to address this key component of scientific literacy.

The Hub has hundreds of activities, information sheets, videos and interactives – all developed by New Zealand teachers and scientists.

What to bring: N/A

Title: ***Practical Motion Toy/Model Making***-To make a booking please call us on 07-838-6606.

Leader: Ray Mayes

Date: Thursday 10th May 2012, 3:45-4:45pm

Venue: Waikato Museum Hamilton

Available to: Teachers, Limited Numbers

Cost: \$20, payment is requested at time of booking.

Outline: This practical session will look at preparing several motion toys that are, in effect, simple examples of animatronic creatures in action. Such creations are simply puppets that perform their actions on cue and therefore give the impression that they have a life of their own. While animatronic creatures that appear on film and TV are usually far too complex for children to reproduce, these simple versions are still possible. We will prepare one that goes up (a climbing creature), one that goes down (a tumbling creature) and one that curls around (a creature's finger, which can then be replicated and attached to a palm to create a fully functioning creature's hand). For more information go to: <http://www.waikatomuseum.co.nz/page/pageid/2145873899>

What to bring: N/A

Title: ***Junats Meeting***-Hamilton Junior Naturalist Club

Leader: Mike Safey

Date: Friday 11th May 2012, 7.00pm - 8.30pm.

Venue: Waikato Institute of Technology Horticulture Centre at the Rose Gardens on Cobham Drive.

Available to: Young people from the age of 11 to 18, family members

Cost: See website for membership fees

Outline: If you are interested in the sciences, natural history, and the outdoors, and enjoy meeting other people with similar interests then this could be the Club you have been looking for! Each Friday night we have a different guest speaker. Our speakers cover all sorts of topics, fossils, earthquakes and volcanoes, native plants, bushcraft, marine and freshwater biology, native birds and insects, reptiles plus other interesting science, ecology and engineering topics.

The topic for the meeting is yet to be confirmed. For more information please go to:

<http://www.junats.org.nz/about.php>

What to bring: N/A