



Newsletter

Term 2 - 2006

Action required on:	Closing date	Done
SciCon06 http://sci.waikato.ac.nz/scicon2006	Register now	
genETHICS essay competition	20 June	
Sciteach-talk/sci-teach-announce elists	Do now	
Scitech-talk/scitech-announce elists for technicians	Do now	
NZASE subscription	Now	
NZASE Certificate in Science registration (see later)	Now	

FUTURE EVENTS

For scientific conferences and other activities, see The Royal Society of New Zealand's web page: <http://www.rsnz.org>

Please circulate to all staff and return to:

Staff							
Seen							

Editorial

Welcome back to Term 2; I hope you all had an enjoyable and refreshing break.

Scicon2006

The major Association event for 2006 is Scicon06 in Hamilton. Under the convenorship of President Bev Cooper, the committee is putting together a programme which promises to provide excellent professional development from leading researchers about the latest in science and from colleagues about classroom practice, a chance to peruse equipment and resources at the trade displays, and convivial socializing with friends, old and new.

NZASE AGM

The AGM of the Association takes place at Scicon, and this year a Junior Vice President and a Treasurer will be elected. If you are interested in contributing to the activities of the NZASE in either of these capacities, please put your name forward (more information later in newsletter).

NZASE Website

The new website for the Association was launched over the holidays; you might like to visit www.nzase.org.nz to see what it offers. Some of the components are still under construction and eventually you will be able to share ideas, renew membership, and order resources through it.

Subscriptions

There are two subscriptions/membership fees which can be paid to NZASE. The first, which is determined by the type and roll size of your school, is NZASE membership and this entitles your school or you if you join individually, to the benefits of membership: support and advocacy for science teaching, the termly newsletter, the NZ Science Teacher, and access to conferences and resources (often at a discounted rate). Please note however that NZASE policy is that a teacher may not be an individual member unless their school is also a member.

The other is registration to the NZASE Certificate in Science and this gives you access to materials for using the Level 1 or Level 2 Certificate.

The two fees are separate; NZASE membership does not automatically give access to Certificate in Science.

A plea from Beverley, NZASE Administrator

If your school pays by direct credit, would you please ask for a copy of the invoice or subscription form to be included with the remittance advice form. This saves a great deal of time in processing payments.

Futureintech: The New Zealand website for information about careers in technology, engineering & science Are you aware of what Futureintech can offer you? Take a look at their website www.futureintech.org.nz

With best wishes for Term 2

Do you belong to sciteach-talk and sciteach-announce?

Does your technician belong to scitech-talk and scitech-announce?

If not, you could both be missing out on news, ideas and offers!

Go to <http://www.rsnz.org/directory/elist.php> and select the lists you wish to belong to, and make sure you keep up to date.

Notification of

2006 NZASE

Annual General Meeting and Council meeting

July 2006 at Scicon06 in Hamilton

There have been no agenda items and remits put forward by regions for this meeting. They may be accepted from the meeting, but Council may decide to defer a decision until all regions have been able to be consulted.

Regional associations must inform the NZASE Administrator Beverly Booker bbooker@xtra.co.nz of their councillor (regional representative). Councillors are to arrange their own travel with the NZASE supporting reasonable travel costs above the first \$225. Councillors are invited to join their executive for dinner on the 1st July. Accommodation will be provided for one night by the NZASE. Further detail will be provided when you register with Beverley.

Nomination of Junior Vice President and Treasurer

These positions on the executive of the Association become vacant in July and an election is required to fill the vacancies. Nominations are hereby called for each of these positions. Nomination may be made by any member of the Association and the nominee is also required to be a member of the Association. Nominations must be received by the Executive Officer on the enclosed form or can be taken from the floor at the AGM.

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Nomination for NZASE Junior Vice President/Treasurer

(delete that which does not apply)

Nominee: _____

Address: _____

email address _____

Nominated by: _____

Seconded by: _____

Address: _____

email _____

Signed by: _____
Nominee

Nominator

Seconder

SciCon 2006 ... *Celebrating Science Innovation* 2nd – 6th of July 2006 at the University of Waikato

We welcome participation by science educators from all education sectors in this national conference, run under the umbrella of the New Zealand Association of Science Educators ([NZASE](#)). The theme – “*Celebrating Science Innovation*” – reflects the wealth of innovative science occurring throughout the world, with an emphasis on Australasia.

There will be a full and exciting programme of workshops, presentations and field trips as well as special sessions for primary teachers and science technicians. Keynote speakers will discuss a range of recent developments including Nanotechnology, Cancer research, Climate change, Astronomy, Forensics and Science Education. The conference dinner is set to be a spectacular event with Waikato’s very own special effects expert from Zena Warrior Princess providing the entertainment.

SciCon is for anyone who is involved in science education: primary and secondary teachers, tertiary educators, and those involved in science education or working with pre-service teachers. There will be a comprehensive programme to cover all four strands of the science curriculum for high school teachers, and parallel programmes for primary teachers and science technicians.

Keynote Speakers

Monday: Professor Paul Callaghan, CNZM, FRS, FRSNZ; Nanotechnology
Professor Alister Jones, Innovations in science education
Tuesday: Professor William Denny, Auckland Cancer Society Research Centre,
Wednesday: Climate change, Forensics
Thursday: Fred Watson, Astronomer-in-Charge of the Anglo-Australian Observatory

See website for more details on each <http://sci.waikato.ac.nz/scicon2006>

The Biotechnology Learning Hub www.biotechlearn.org.nz

Making modern biotechnology more accessible to school students and teachers through...

Video Clips

Scientists explain aspects of their jobs and show off various techniques

Interactive Activities

Students act as virtual scientists and carry out some of the procedures not possible in a classroom environment

“In the Lab” Pages

Find out more about a range of modern biotechniques and why they are used

Video Conferences

Ask a scientist your questions and have the conversation recorded for others to view afterwards

“My students really took to Stephen. Apparently, unbeknown to me they thought that scientists were old, weird and too bright to talk in a way other people could understand

... my students were pleasantly surprised how young and normal Stephen is, and hopefully more of my students will consider science as a career path.” (Heather Taylor, Dunstan H S)

News Stories

Featuring cutting-edge New Zealand research

“The news stories are great for AS 3.6. I use them a lot.” (Jean Grattan, Otumoetai College)

The Hub is an initiative of the government of New Zealand and is freely accessible to all users. Registering provides additional functionality, for example users can bookmark favourite pages or use the alert system to be notified of new content. Visit our www.biotechlearn.org.nz or email enquiries@biotechlearn.org.nz for more information.

Sharing the Learning From a NZ SMT Teacher Fellowship

Professional development opportunities, for teachers, **by** teachers (previous recipients of Teacher Fellowships) which have an immediate and practical classroom application for participants

The workshops are Free. Morning tea and lunch will be provided.

Go to http://www.rsnz.org/awards/teacher_fellowships/sharing/ for more information and to register.

And for your students

CREST AWARDS

Do your students need ideas for CREST or S&T Fair investigations? For 37 ideas for waterways investigations <http://www.crest.org.nz/botany-skool.pdf>

New Zealand genETHICS Essay Competition 2006

“Babies’ best interests or mothers’ choice? Which should prevail?”

Following the success of the two previous genETHICS Essay Competitions in New Zealand, *Toi te taiao*: Bioethics Council; NZ Organisation for Rare Disorders and the Royal Society of New Zealand are pleased to announce the genETHICS Essay Competition for 2006.

The genETHICS Essay competition is a unique and innovative competition that provides secondary school students with an opportunity to discuss ethical issues associated with human genetics research. The competition is open to all secondary school students but is most suitable for students in years 11, 12 and 13 studying Biology, Science, or English.

To enter, students must prepare an essay of no more than 1500 words that considers the science and ethics of testing new-born babies. Following the essay assessment, selected students will present their views at a New Zealand final competition in Wellington on Wednesday July 26th 2006.

All participating students will receive certificates; the winner will receive a certificate, and \$350.00 cash prize. The winning school will receive \$200.00 to purchase books. The second place winner will be rewarded with a certificate and a \$200 prize, and the three remaining finalists will receive a certificate and \$75.00 to purchase books.

Cash prizes and book vouchers are provided by the New Zealand Organisation of Rare Disorders and travel for selected students and the administration of the competition has been funded by *Toi te taiao*: Bioethics Council.

Information about the competition follows but please note that each school can only submit up to five entries.

Closing date for receiving entries is 5.00pm Tuesday June 20th.

Further information can be obtained from the RSNZ website www.rsnz.org or from Debbie Woodhall, Specialist: Student Programmes debbie.woodhall@rsnz.org

**NZASE Tax Invoice/Order Form
940**

GST No. 50-978-

NZASE Certificate in Science Registration for 2006

You will be sent separate passwords for the online Level 1, and the two Level 2 courses upon receipt of this registration form.

Please tick appropriate boxes and indicate if you are paying by cheque or direct credit.

(All costs include GST)

Level 1 CIS	\$72	<input type="checkbox"/>
Level 2 CIS	\$108	<input type="checkbox"/>

Certificates - \$5.00 each and you will be invoiced for these when you order them at the end of the year.

Any costs associated with NZQA are beyond the control of the NZASE.

Payment

Cheque enclosed (payable to NZASE)

OR

Direct Credit to NZASE Account No 030518 0186903 00

Please post this form to

NZASE
c/- B Booker
196 Glenbrook Road
RD 4
Pukekohe

tel 09 292 7035
fax 09 292 7034
email: bbooker@xtra.co.nz

Contact Teacher

School

Address

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Email

NZASE CERTIFICATE IN SCIENCE

Order Form 2006

Contact Teacher

School

Address

.....

.....

Email

Telephone

Contextual Strand	Module No	\$7.50 per module	Tick modules required
The Living World	1	Body maintenance	
	2	Ecology	
	3	Reproduction	
	10	Biotechnology	
	16	Horticulture	
The Material World	4	Fuels and energy	
	5	Chemical patterns	
	6	Chemical reactions	
	11	Chemistry and the environment	
	15	Forensic science	
The Physical World	7	Sports science	
	8	The car - forces and movement	
	9	Electricity at home and work	
	12	Wave, sound, light	
Planet Earth & Beyond	13	Weather, earth and space	
	14	Earth science	

Please note that there are 16 work modules - the list is not in numerical sequence.

Number ordered Total cost \$.....

Thank you for including your cheque (payable to NZASE)

OR Direct Credit to NZASE Account No. 030518 0186903 00