STAV VCE Psychology Teachers’ Conference 2006

Friday 10 February 2006 @ Moonee Valley Racecourse

Each participant will receive a CD of Proceedings from all STAV VCE Conferences Series 2006 as part of their registration.

Conference Program

8.00am Registration opens
9.00 - 9.10am STAV Welcome
9.10 - 10.10am **Keynote Address**
**Psychology, Psychiatry and the present Health System**
Dr Michael McGartland, Senior Clinical Psychologist and
Dr Rob Selzer, Consultant Psychiatrist
Primary Mental Health and Early Intervention Team, Alfred Psychiatry
The role of psychology and psychiatry in Australian health services will be explored in this presentation. This will be done in the context of the prevalence of psychiatric disorders, the public health policy response to this data and the organisation and function of public mental health services in Victoria.

10.10 - 10.40am VCAA Update
Ann Osman, VCAA
10.40 - 11.25am Morning Tea/Displays
11.30am - 12:30pm Workshops: Session A
12.30 - 1.30pm Lunch/Displays
1.30 - 2.30pm Workshops: Session B
2.30 - 2.55pm Afternoon Tea
3.00 - 4.00pm Workshops: Session C
4.00pm Conference concludes

Science Teachers’ Association of Victoria
VCE Conference Series 2006
Postal Address: PO Box 109 Coburg VIC 3058
Phone: (03) 9385 3999 • Fax: (03) 9386 6722
Email: stav@stav.vic.edu.au • Website: www.stav.vic.edu.au
Session A  
11.30am - 12.30pm

A1 Advances in Neuroscience and Understanding Disorders of Brain and Mind  
Frederick Mendelsohn, Howard Florey Institute  
Advances in understanding the nervous system at the molecular and cellular level are providing surprising insights into the function of the normal brain as well as neurological and psychiatric disorders.  
Suitable for: VCE Unit 3  
No Limit  
Extension Education

A2 Exploring the Secrets of your Personality: Neuroimaging the Brain  
Joseph Ciocciari, Brain Sciences Institute, Swinburne University of Technology  
Can the latest brain imaging tools tell us more about how the human brain works? Can they tell us where personality resides? Can we measure the various aspects of personality and the emotions? Researchers at the Brain Sciences Institute are attempting to answer these questions, while also investigating the effects of traumatic abuse has on the developing personality. Various neuroimaging techniques (such as MRI, PET, fMRI and EEG mapping), and current research findings will be discussed.  
Suitable for: VCE Units 1 - 4  
No Limit

A3 VCE Units 1-4 Assessment Tasks for the Novice Teacher  
Fiona Gadino - Day & Alicia Hewes, Aitken College  
This session will go through possible assessment tasks for Units 1-4, as well as criteria sheets. It will provide teachers ‘New’ to Psychology resources and an opportunity to clarify any issues.  
Suitable for: VCE Units 1 - 4  
Limit: 30

A4 Spice Up Your Psychology Teaching  
Helene Van Lersel, Catholic Regional College & Kristy Kendall, Haileybury College  
Are you finding it difficult to locate exciting and engaging activities for your Year 11 & 12 Psychology students? We may just have the answer for you with the new Nelson Psychology Activity Manuals. Come along for a taste.  
Suitable for: VCE Units 1 - 4  
Limit: 30  
Commercial

A5 Examining Research Methods  
Maren Rawlings, Melbourne Girls Grammar School  
The integration of research methods requires that students systematically revise and consolidate method skills, Unit 4 examination assessment appears to be broad in its range within the study design. Find out how to cover all the bases in Units 3 & 4, to allow students to reach their potential.  
Suitable for: VCE Units 3 & 4  
No Limit

A6 Datalogging in Psychology  
Janet Buskes, Donvale Christian College  
This session will cover the use of datalogging in the following areas of Psychology: Lie detection; meditation; biofeedback; response time; visual perception and memory. The procedures for setting up the monitors and tachistoscope, utilising the software, and generating results will be demonstrated.  
Suitable for: VCE Units 3 & 4  
Limit: 20

A7 Writing in Psychology  
Bruce Findlay, Faculty of Life & Social Sciences, Swinburne University of Technology  
What is expected of reports in Psychology? This session will describe the common forms of research in Psychology and the typical format of Psychology research reports, and why those conventions exist. It will also compare expectations of research reports and essays, and common problems encountered in marking them. There will be time for questions.  
Suitable for: VCE Units 1 - 4  
No Limit  
Extension Education

A8 To See or not to See (with help from the National Gallery of Victoria)  
Gerard Houlihan, St Michael’s Grammar School  
In this workshop participants will engage in creative and clever simulations and activities to explore visual perception. There will be a focus on providing at least one useful activity for each of the key concepts in the visual perception unit. The workshop will be complemented by materials developed in collaboration with the National Gallery of Victoria. A range of handouts and resources will be made available for participants to take away.  
Suitable for: VCE Unit 3  
No Limit

Session B  
1.30pm - 2.30pm

B1 Introduction to Sleep: Development, Function, Recording and Disorders  
Rosemary Horne, Monash University  
We spend around a third of our lives asleep and sleep is vital for our well-being, growth and development. Sleep develops in the foetus with a rapid maturation occurring during infancy, and continues to change with age. Sleep is divided into two states, each having a distinctive set of characteristics that can be recorded as physiological parameters on a polygraph. In the young infant, these two states are known as Quiet Sleep and Active Sleep, while in the child and adult, they are called Non-Rapid Eye Movement Sleep (NREM sleep) and Rapid Eye Movement Sleep (REM sleep). NREM sleep can be further divided into 4 stages, NREM 1, 2, 3 and 4 indicative of the progressive deepening of sleep as brain activity becomes quieter, while REM sleep is the sleep in which we dream and the brain is very active. Sleep state has a marked influence on body physiology influencing the cardiovascular and respiratory systems, temperature regulation and the endocrine system. Sleep problems are common and have a significant impact on daytime cognitive functioning resulting in a considerable cost to the community.  
Suitable for: VCE Units 3 & 4  
No Limit

B2 The Biology of Alzheimer’s Disease  
Robert Cappai  
The University of Melbourne  
Alzheimer’s disease (AD) is a neurodegenerative disorder that primarily affects the elderly resulting in memory loss and decline of higher cognitive functions. The enormous economic and social costs of AD and an increasingly aging population make it a major health problem. A central feature of Alzheimer’s disease is the deposition of protein deposits in the brain into structures called plaques and tangles. The major protein component...
of plaques is a short protein called the amyloid beta peptide (Abeta). There is strong evidence that the accumulation of Abeta is fundamentally involved in AD. This presentation will provide an overview on AD, detail the role of Abeta in this disease and the current therapeutic strategies being tested. Suitable for: VCE Units 3 & 4

No Limit

B3 ‘Mere Monkeys?’
At Melbourne Zoo
Dianne Gordon, Melbourne Zoo

Discovery & Learning
‘Mere Monkeys?’ addresses Unit 1, Areas of Study 1 & 2. This program delves deeply into the ethical principles involved in using animals in psychological research. Students will be challenged to explore the practical implications of the relevant sections of the APS Code of Ethics and the NH $ MRC Statement on Animal Experimentation. Students will have the opportunity to examine real life research projects that have involved Melbourne Zoo’s Animal Ethics Committee. First hand quantitative data collection and analysis is achieved through animal observations of our wonderful Hamadryas Baboon troupe and comparative qualitative data collection will be taken form our Meerkat families, White Cheeked Gibbons and Mandrills.

Suitable for: VCE Units 1 & 2
Limit: 50
Extension Education

B4 First time Psychology 2006
Maren Rawlings, Melbourne Girls Grammar School

You want maximum success in your first year of psychology. Learn tips and short cuts and how to get organised from the study writer (and former method lecturer) Hand outs and how tos for year 11 and year 12.

Suitable for: VCE Units 1 - 4

No Limit

B5 Research Investigation
Bruce Findlay, Faculty of Life & Social Sciences, Swinburne University of Technology

Need some advice or some good examples to deal with Research Investigation (Unit 4, area of study 3)? This session will explore the formation of operational hypotheses, various research designs and their uses, ethical considerations, and how to describe statistical significance in understandable terms. Feel free to bring along some questions and take away some examples.

Suitable for: VCE Units 3 & 4

No Limit

Extension Education

B6 A tale of two schools - Unit 4 Research Investigation
Adam Bylsma, St Kevin’s College, Toorak Gerard Houlihan & Joel Roache, St Michael’s Grammar School

This seminar will recount and compare the process by which two separate schools tackled the recent Unit 4 Research Investigation. Whilst both schools chose topics related to memory, one school treated the task as four separate modules to be worked on at home and school. The other school required the task to be completed in class time over two weeks with a single report to be submitted at the end. Whilst the focus will entail a detailed account of the steps involved in successfully conducting the Research Investigation, participants will have the opportunity to comment on their own experiences. It is expected that teachers will take away a number of possible models and topics for future use.

Suitable for: VCE Units 3 - 4

No Limit

B7 Engaging Year 11’s with the New Study Design
Melanie D’Aloisio, St Michael’s Grammar School & Jodie Warner, Ruyton Girls School/Trinity Grammar

This workshop will explore fun and creative activates to engage students in the new Unit 1 and 2 course. Both teachers are new graduates and have thoughtfully examined what is successful and useful for the Psychology classroom. A range of handouts and resources will be made available for participants to take away.

Suitable for: VCE Units 1 & 2

No Limit

B8 The Cunningham Dax Collection as a resource for teaching VCE Psychology
Dr Eugen Koh, Director of the Cunningham Dax Collection & Glenda Urquhart, Toorak College, Volunteer at the Cunningham Dax Collection

The Cunningham Dax Collection is a world renowned collection of over 10,000 works by people who experienced mental illness and/or psychological trauma. This collection has become a major resource for VCE psychology teachers in their teaching of mental health. Over the past 5 years more than 150 teachers have undertaken professional development at the Collection and more than 10,000 students have visited. This workshop session gives an overview of the resources available at the Collection.

No Limit
Please Note

Moonee Valley Conference Venue is air-conditioned according to health regulations. Please bring warm clothing to ensure your comfort during the conference.
STAV VCE Conferences 2006 Registration Form

Please ensure you fill out a separate Registration form for each VCE Conference you wish to attend.

Contact Details

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Please tick box if you wish to join the Psychology Teachers Discussion Forum Email List (include your email* above):

* Please ensure you provide your correct email address as ALL correspondence regarding conferences is by email.

I wish to attend:

- [ ] VCE Psychology Friday 10 February 2006 @ Moonee Valley Racecourse
- [ ] VCE Chemistry Monday 13 February 2006 @ LaTrobe University, Bundoora
- [ ] VCE Biology Monday 20 February 2006 @ LaTrobe University, Bundoora
- [ ] VCE Environmental Science Friday 3 March 2006 @ Mt Rothwell

Workshops: Session Selection

There is a limit to the number of participants in all sessions. Sessions will be allocated on a ‘first come, first served’ basis.

*You will be notified by email of the sessions to which you have been allocated before the conference.

Please use the codes given in the conference program. These codes appear at the beginning of each session, eg. A1.

Please register as early as possible to ensure your choice of sessions.

Preferences 1st 2nd 3rd

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Session D only applies to Chemistry & Environmental Science.

Please complete details continued overleaf>>
Name: ____________________________________________________________________________

Meet the Examiners
Do you have a specific question to ask the examiners? (Please provide details)

__________________________________________________________________________________

Are there any issues you would like the examiners to address? (Please provide details)

__________________________________________________________________________________

Catering
Note: All catering is included in the Conference Registration Fee.
Dietary requirements: __________________________________________________________________

Registration fees
(Registration fee includes: Conference Proceedings CD from all STAV VCE Conference Series 2006, Catering and GST)
(Please tick applicable)

☐ STAV Individual Member - $130 per conference
☐ Non-STAV member/STAV Subscriber School - $260 per conference

☐ Retired Teacher - $75 per conference
☐ Presenter - FREE

VCE Environmental Science ONLY

☐ STAV/VAEE member - $60
☐ STAV/VAEE Non member/STAV subscriber school - $90

☐ Optional Field Trip/Overnight accommodation at Mt Rothwell - Thursday 2 March - $25

Payment details
ABN 94 108 759 762

☐ Cheque - make payable to: Science Victoria
☐ Invoice School/Purchase order supplied

☐ Credit Card (Please tick applicable) ☐ VISA ☐ MasterCard

Card No. _________________ _________________ _________________ _________________ Expiry Date _________________ _________________ CCV No. _________________

Name of Cardholder (please print) __________________________________________________________________

Signature ____________________________________________________________________________

A Tax Invoice will be issued upon receipt of payment/school purchase order.
Please note: All cancellations will be subject to a 20% administration fee.
Notification of cancellation must be made prior to the conference and be in writing.

CLOSING DATE for all Registrations is 5 business days prior to each conference
FAX this form to STAV - 9386 6722 or MAIL to STAV PO Box 109 Coburg VIC 3058