



# LOGIN

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## Hands on Learning

*Lynley McKernan  
Conference Convenor*



The 2004 ECWA Conference is fast approaching, and it looks like being a very memorable event. The Conference sessions will focus on the pivotal role of “**Hands on Learning**” using Information and Communications Technology in the classroom including:

- Exploring the use of ICT within the Curriculum Framework to enhance and maximise student learning opportunities
- Practical classroom ideas from experienced educators
- Student centred teaching and learning curriculum projects
- Scaffolding using ICT
- Innovative and achievable strategies to facilitate learning through ICT

The Conference will be opened by Pamela Paton, Director of the WA College of Teaching and the keynote speakers will be Geoff Romeo of Monash University, the ACCE ICT Leader of the Year, 2003, Martin Dougiamas of ‘Moodle’ fame, and Jim Mullaney of FuturePD.

As well as the keynotes, a full programme of concurrent presentations will be offered. We have been very fortunate to assemble many of the very talented educators in Western Australia to run these presentations. In keeping with the theme of the Conference, many of the concurrent presentations involve ‘**Hands On**’ activities. Most of these will take place in one of the computer labs, while some provide an opportunity for delegates to bring along their own notebook computer to use in the workshop.

The presentations cover a very wide range of topics and cater to varied interests. There is plenty for everyone, from Early Childhood Educators to teachers of TEE subjects, for those just starting out and experienced educators.

Get your registration form in soon, and join us at Sacred Heart College, Sorrento for the ECWA 2004 State Conference on Tuesday the 5<sup>th</sup> and Wednesday the 6<sup>th</sup> of October. Please remember that if you are not able to attend the conference on both the Tuesday and the Wednesday, it is also possible to register for only one day.

### Enjoy good company, good food and a good time – at the ECWA Conference Reception

At the end of the first day of the Conference, after a day packed with inspiring speakers and interesting and innovative concurrent presentations, relax and enjoy good company, good food and a good time – at the ECWA Conference Reception.

The Reception will be an informal time for us all to get together and chat with friends and colleagues, and will commence shortly after the end of the final presentations of the day. It will be held in the auditorium at Sacred Heart College.

The programme for the evening will include the presentation of the ECWA Educator of the Year for 2004.

As for the rest of the evening – you’ll have to come along and see what our MC has in store!

### Register for the ECWA 2004 State Conference now!

To download a copy of the registration form from the conference web site, follow the links from [www.ecawa.asn.au](http://www.ecawa.asn.au) or contact the Conference Convenor, Lynley McKernan at [lmckernan@ecawa.asn.au](mailto:lmckernan@ecawa.asn.au)

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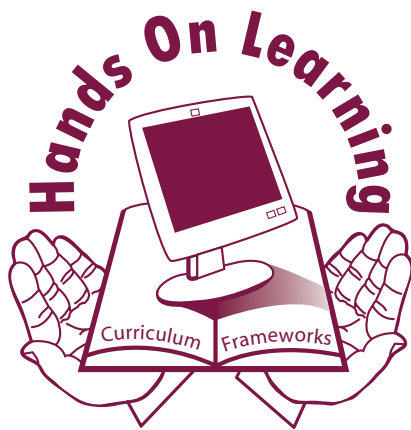
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# ECAWA 2004

## State Conference

Tell your colleagues about the ECAWA conference! An extra copy of the Registration brochure has been included with your copy of LOGIN. Please give this to a colleague and tell them about ECAWA and the Conference. ....Or perhaps you could pin the Registration brochure up on your staff room notice board. If you have a place to display one of the Conference 2004 posters, please email a member of the Conference Committee and request a copy. There are just a few left!

### Accommodation

Conference registration does **NOT** include accommodation, however for those delegates who do require accommodation nearby, we have negotiated special conference pricing on accommodation at the Sorrento Beach Resort. This is located almost next door to Sacred Heart College.

### Prizes! Prizes! Prizes!

Our sponsors have donated some great prizes again this year. Some prizes will be given away at the Conference Reception on the Tuesday evening, or at the Close of the Conference on the Wednesday afternoon, however there will also be prize draws at other times. Just remember – you must be present at the draw to be eligible to win the prize!

### ECAWA and GST

As a not-for-profit organization with an expected turnover under \$100 000, ECAWA has chosen not to register for GST. Among other things, this means that no GST is payable on ECAWA membership fees or ECAWA Conference registration fees and we are not permitted to issue a Tax Invoice or claim GST credits. If you require any further information about this matter please contact the Australian Taxation Office or check the website [www.ato.gov.au](http://www.ato.gov.au)

## Contribute to the Poster Display at the ECAWA Conference

During the ECAWA conference we once again plan to have a display of posters.

Posters can be a very effective way of exchanging information and communicating ideas, and we hope many of you will participate by putting together a poster or a small display of some sort. This may consist of a few photographs (with captions or brief notes), or may be larger and more elaborate, as you choose. The posters will be displayed in the area we are using for the keynote addresses, Trade Display, Conference Reception and meals, and will remain in place throughout the conference, to give everyone plenty of opportunities to peruse them.

Your poster may demonstrate the pivotal role of ICT in classroom practice, show aspects of your work with students, present some great ideas and examples of innovative / integrated programs, include samples of students' work, be a report of a research study or display photographs, drawings or plans of teaching and learning and workshop areas, to give just a few examples. We'd love to see examples of:

- resources you have developed
  - Have you developed something to fill a particular need?
  - Have you done something interesting or a bit unusual?
- ways you have integrated ICT into the curriculum
  - How have you successfully integrated ICT across one, two or all eight learning areas?
  - Do you have innovative ideas that really work?
- teaching and learning areas that really work well
  - How can a classroom accommodate computers as well as all the other things that you need, and still leave room for 28 or 30 students?
- or other things that you would like to share with the group.

Please consider contributing to the Poster Display. This should be a great way for us to share some of our best ideas. For further information email Denise at [secretary@ecawa.asn.au](mailto:secretary@ecawa.asn.au)

The latest information about the ECAWA 2004 State Conference, including details about the concurrent presentations, can be found by following the links from [www.ecawa.asn.au](http://www.ecawa.asn.au)



## 2004 ECAWA State Conference Outstanding Presentations

### *Paul McMabon*

currently holds the position of Head of Information and Communication Technology at All Saints' College in Bull Creek.

"Looking Backward to Move Forward" is the theme for Paul's presentation where he will attempt to answer: What changes when students and staff have their own notebook with them all day in a school?



All Saints' College in Bullcreek went from being a fairly "low-tech" school to in 1999 to a compulsory 1:1 notebook school for all students in years 7-10 in 2004. There were some changes that had to be accomplished quickly and were rather obvious such as access to power outlets and wireless beacons. The big change, however, is on the culture of the school and the effects on teachers and students. This presentation uses an analogy to help teachers understand these changes and put the introduction of notebooks into schools into a context that is logical and, hopefully, useful for those who may have to work with reluctant staff or parents in the future.

**Intended Audience:** Most of the content will have relevance to Lower Secondary and Upper Primary teachers.

### *Moira Curtain*

Moira has been a teacher for many years, the last eleven having been spent at St Paul's Primary School in Mt Lawley. Her classroom teaching focus was based in integrating ICT across the entire curriculum, as this is both her hobby and her passion. Moira is currently employed by the Catholic Education Office as a Primary Curriculum Consultant, in the area of ICT.

Moira's presentation is titled: "*The role of myinternet in integrating ICT across the Curriculum*"

The myinternet portal has been adopted by Catholic schools right across WA as part of their Virtual Private Network. It provides teachers with administrative, communication curriculum and pastoral tools that make the Internet more accessible to teachers and students.

myclasses provides a user-friendly interface that allows teachers to construct online units of work which give the students opportunities for both independent and collaborative learning. In these presentations Moira will demonstrate the my desktop and myclasses interface and explore its role in integrating ICT across the curriculum, as well as explore learning activities that could be incorporated in different areas of the Curriculum.

**Intended Audience:** Primary teachers.

### *Neil McCallum*

of Craigie Primary School - "*Team Challenge WA*" is a web site for WA teachers and students. It has 13 integrated topics which are linked to the CF and SOS. Information is provided for teachers on the inquiry process, assessment rubrics, cooperative learning strategies, planning proformas, self-reflections ideas and more. Lists of web sites are provided for the students to use to complete their research. Open-ended, higher order thinking tasks are set for each topic for the students to apply the knowledge they have gained. The web site is currently being trialled in five West Coast schools and further topics are being added.

**Intended Audience:** Middle and Upper Primary teachers.

### *Jim Fuller and Dixie Price*

"Talk the Talk"

*A model collaborative Web-based language project.*

Many educators are limited in the scope of our expertise. By combining the ICT skills of one member of the team with the language skills of another, fantastic things can happen.

This is a collaborative project combining the extensive experience of two educators. The resulting synergy results in a package neither could possibly develop by themselves. The learning Framework, Outcomes and Levels are the cornerstone of the project.

**Intended Audience:** Primary and Secondary teachers.

*Vic Gecas* from Aquinas College is one of the leading presenters of ICT in WA and has an outstanding understanding of the current teaching pedagogy associated with the integration of ICT into the curriculum.

"Cartoons and Animations"

The art of animation... anything is possible if you have the patience, ideas and drive. With so many 2D and 3D animation tools that will virtually run on any desktop PC, it's even easier to achieve your animated dreams. In this hands on workshop you will pick up advice on preparing your Flash movies for the web using simple drawing techniques suitable for any beginners.

"Teaching Computer Graphics Constructively... creatively"

In the past few years there have been significant advances in both the computational and graphics capabilities of computers. This allows us to teach more advanced concepts in courses. The goal of the first part of the lecture will be to show participants a theoretical background to what is possible in computer graphics, while the second part will be showing it in practice... around 20 different graphics based activities to unleash the creativity streak in your students... irrespective of the hardware platform or software you have.

"Visual Literacy – Adobe Video Collection"

Much has been said of iMovie, iDVD, Final Cut Pro and Movie Maker, but now the Video Collection delivers a comprehensive, integrated set of tools to transform video, create motion graphics and visual effects. This presentation will show the creative control you have with the Video Collection: Premiere Pro, After Effects, Encore DVD and Audition and show how they can be used together to enhance teacher and student video presentations.





## Leon Brooks

Leon is a director of CyberKnights, a local Linux consultancy. He writes, installs and maintains software, writes articles, teaches about computers and programming, and has three delightful children. Leon is well known to members of echalk for his regular postings of helpful information and tips. Leon will present at two sessions.



### "Something old, something new"

If you've wondered what all of the fuss is over Open Source applications, now is your chance to see some of it in action. After a short talk explaining the rationale behind the software which is being adopted by everyone from individuals to whole countries of a billion or more people, and demonstrating some of the leading Open Source programs, you will have a chance to play with some yourself, and see what it is really like.

"Old ain't dead" – give your older hardware a second life as a thin client. If you have IT goals but no budget, or are looking to provide extraordinary new facilities from a mediocre budget, one simple tactic is to set up a moderately capable machine as a thin client server, then re-use your older hardware (or someone else's older hardware) for workstations. After a discussion of the pros and cons, there will be hands-on time

## Sue Scott and Jill Midolo

from the Curriculum Materials Information Services (CMIS) have a very interesting presentation titled: "*Curriculum Resources for the Twenty - First Century. Finding Quality Online Curriculum Content for your Classroom*"

What is online curriculum content? It encompasses all the curriculum resources that are available through the Internet - websites, databases, learning objects, online journals, free resources and those available by subscription, videos on demand, learning activities, curriculum projects, online research modules, webquests and more.

Finding quality, suitable, relevant material that suits your needs can be time consuming and frustrating. In this session you will look at some educational gateways that make this searching process easier and more efficient.

**Intended Audience:** Primary and Secondary teachers.

## Sue Sneyd

of Swan DEO will present: "*Digital images more than just photos*"

This presentation will look at ways in which digital images can be used to enhance the students' opportunities to learn. It will look at visual literacy and the use of images in research work. It will also look at images as a powerful form of assessment, especially in an outcomes focused classroom.

**Intended Audience:** Primary teachers.



## Dr Geoff Romeo

of Monash University presents: "*The Turtle: now there's a real learning object*"

If you are looking for software that challenges, excites and inspires come and discover (or rediscover) the world of the turtle. For the uninitiated, MicroWorlds combines an exciting multimedia environment with the world of logo programming. For those of you who have forsaken the turtle come and see what has changed and what MicroWorlds has to offer.

**Intended Audience:** Primary and Lower Secondary teachers.



**Christine Ritchie** of East Victoria Park Primary School along with **Dr Jennifer Pearson** of Edith Cowan University will present an extra length interactive, hands on workshop where you will have the opportunity to take part in a rich task integrating Learning Areas.

### Integrating Curriculum:

*Through ICT with a Technology and Enterprise focus:*

### Integrated Learning:

*Using ICT for ECE and Primary Teachers*

### English: Reading/Viewing:

Using the story Drac and The Gremlin by Alan Baille to develop the concept of the picture book and make meaning from text.

### T&E: Technology Process/Materials: English:



Speaking and Listening Using cooperative and collaborative group skills to build a cubby house and develop an oral story to retell to other groups.

### T&E: Systems (ICT): English: Writing

Using Kidspiration to plan, develop and write a story from oral story. Design, produce a mini movie (slideshow) telling the story with words, illustration, sounds, effects etc using Kids Pix Deluxe 3.

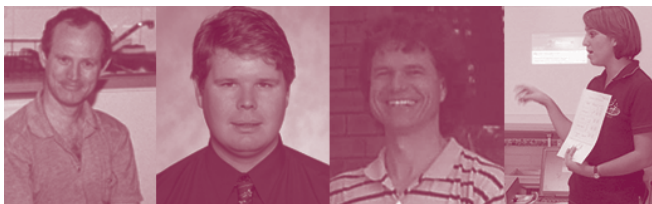
**Intended Audience:** ECE and Primary teachers.

## Leah Irving and Dianne Hobbs

present:

### "The Seige of Rochester Castle"

In with conjunction Wagga Wagga University, we have set up an on-line multi-user interactive environment (moo) where the students have set up a virtual environment. It is an online simulation based around the building and seige of Rochester Castle in Kent, England, during a period from about 1088 to 1260. We will outline how we set up the project, how we managed it, and what happened when we allowed the Holy Order of the Knights of Bunsen to (9.6 Science class) to lay siege to and sack the castle.



# 2004 ECAWA State Conference Outstanding Presentations

## *Ian Gaynor*

Ian Gaynor is a post graduate lecturer in the Learning Technologies for Teachers' course offered by the Science and Mathematics Education Centre at Curtin University. Ian will present the following two sessions:

*"Where do I start: How can I improve the integration of ICT in my classroom?"*

The aim of this presentation is to introduce the postgraduate training opportunities in learning technologies and educational technology available at the Science and Mathematics Education Centre, Curtin University. You will discover how you can;

- Improve your professional productivity,
- Improve your preparation for classes and teaching generally and importantly
- Improve your ability to use and integrate IT appropriately within the classroom and school
- Develop practical classroom based research strategies and techniques.

Identify how you can motivate, engage and encourage students and teachers to explore or renew the rewarding experience of using educational technology within the teaching and learning process. Participants will discover how post-graduate studies at SMEC can provide a wealth of useful teaching resources and in context to educational technology develop a strong background and understanding in research practice, learning theory, curriculum development and supervision.

This presentation will also enable all participants to navigate and explore the jungle of educational technology resources for teachers.

*"Stress free curriculum integration strategies and resources for use within a technology rich classroom"*

This presentation will enable all participants to exploit the jungle of educational technology resources with an aim of promoting a student-centered classroom.

In this presentation you will discover a wealth of useful resources, idea, strategies and training opportunities [free and commercial] that will motivate, engage and encourage students, teachers and parents to explore or renew the rewarding experience of using educational technology within the teaching and learning process. Each participant will be able to source these resources and explore the opportunities for effective use within their classrooms.

**Intended Audience:** Both sessions will suit the beginner or expert ICT using teacher, operating within a classroom with one or many computers. Each participant will also be provided access to a very large free online collection of K-12 educational resources ideas, strategies and resources to promote the integration educational technology within a classroom.



*Thierry Lehembre* from the South West Service Area (DET) will present: *"Information Literacies and ICT"*

As educators move from more traditional teaching methods to those that are inquiry based, students must self-direct their learning, cooperate with classmates from diverse backgrounds and think critically about the abundance of information made available through technological developments.



Therefore, the ability to be information literate by defining an information need, accessing and evaluating resources in multiple forms, using information effectively and creating content is critical for full participation in society. At the end of the session you will leave with a collection of practical lessons and ideas you can utilize in your classroom that provide a framework for developing information literate children.

**Intended Audience:** Primary and Lower Secondary teachers.

## *Michael McGarry*

Michael is HOD of Science at Morley Senior High School, has been designing and developing interactive, constructivist, outcomes-focused science curriculum modules using PDE, and conducting action-research on them in his classroom since about 1999. He is a fully committed constructivist educator as he believes that scientific constructivism is the best way for students to learn and apply their science understandings, skills and values. Michael's presentation at this conference is titled: *"Rich Science through Computer Assisted Learning"*

Computer Assisted Science Learning allows for flexibility of curriculum delivery from direct instruction to negotiated, self-paced learning. It also facilitates the integration of "hands-on" activity with "minds-on" activity involving problem solving, higher-order thinking and deep understanding.



## *Darren Entwistle, Nikki James, Alan Drakesmith and Roger Haley*

of WestOne Services will present: *"The new AIT Course of Study – Online Course Development"*

This is a hands on presentation and discussion on the development of curriculum resources for the new Applied Information Technology Course of Study.

This presentation will include a demonstration of the online resources developed and the processes involved in creating the interactions, learning sequence and assessment tasks by WestOne Services (A part of DET) for an e-learning environment.

**Intended Audience:** All teachers interested in the Post Compulsory Years.



**Paul Newhouse** of Edith Cowan University will present:  
"The new post-compulsory courses: "Applied Information Technology and Computer Science"

In the wake of the post-compulsory review in Western Australia two new courses of study are being developed for Years 11 and 12: Applied Information Technology and Computer Science.

This has given a unique opportunity to address emerging issues from the very successful existing subjects and to ensure they are best configured to match the needs of students and changes in school environments. At the same time it has provided a forum within which to re-explore the place of ICT in Technology Education and the relationship of learning outcomes to study in ICT. There are some profound changes evident in these courses compared with what we have done in the past. It is important that we get these changes right at these early stages to successfully migrate all teachers and students to the new courses later in the decade. This presentation focuses on the current drafts of the courses and discusses the issues addressed in writing the courses.

"The Extra 3 Outcomes?"

When the Curriculum Framework was first written there were 3 outcomes that were not replicated from the Student Outcome Statements: Enterprise, Technology Skills, and Technology in Society. The Education Department did attempt to embed these within the existing four outcomes but I believe that buried them and made the existing outcomes more complicated to use.

The development of the progress maps by the Curriculum Council this has given an opportunity to revisit these 3 extra outcomes. A draft of level statements and elaborations has been written for these outcomes and their aspects. It is hoped that this will provide greater clarity for teachers and allow some teachers to support their programmes with these outcomes in conjunction with the other outcomes. How may this assist teachers of ICT education and support the progression of understanding for students? In this session I will present my view on this question along with some examples.

**Robin Clarke** of Education Research Solutions and **Mark Wirtz** of North Canning Vale Primary School will present "Primary teacher planning in the 21st Century: What does it look like?" Experience an electronic, integrated program designed to enable teachers to translate the curriculum framework into classroom action. In this presentation you will be able to participate in a 'hands-on' interactive workshop that represents 21st Century education.

- Experience electronic, integrated, collaborative planning
- Select from the many exemplars of planning documents: Scope and Sequence Charts, Teacher planners..
- Gain reassurance in showing alignment to the 'standards' and 'emphases'
- Appreciate the benefits of a 'mobile school-based curriculum branch'
- Take away samples of the experience for use in your own classroom

**Intended Audience:** There will be one workshop for Primary teachers and another for Secondary teachers.



**School Software**

[www.schoolhousetechnology.com](http://www.schoolhousetechnology.com)

## Mark Weber

Mark is the current ECAWA Educator of the Year. At this year's conference Mark will again inform and entertain delegates with a very interesting presentation titled: "My Mate Rasmus"



Following his attendance at the last two national Linux conferences, (2003 and 2004), Mark has developed an interest in open source software, particularly that involving the lamp solution, Linux, Apache, Mysql and php, and he wishes to share this with delegates.

Mark will bring to you a brief introduction to the lamp solution, along the lines of that followed by his students at Swan View Senior High School, their adventures, and what it has meant in terms of the sorts of oss used in the school. Topics will include Bloggers, Moodle, WebGUI and related php applications. This presentation is meant as an introduction to what has become one of the newer web based technologies, and how it can be used to enhance your classroom lesson delivery. (and oss is free!)

## Hurry to secure Early Bird Registration for the ECAWA Conference!

An Early Bird discount is available for registrations received before the close of business on **Friday August 13**.

Early Bird Registration is \$240 for members and \$305 for non members. This includes two full days of great professional development and professional learning opportunities, the ECAWA Conference Reception as well as all other meals throughout the conference.

The 'non members' registration includes a 12 month individual membership of ECAWA, entitling you to participate in a variety of professional learning opportunities throughout the year at 'members' rates.

After the Early Bird offer closes, Registration will be \$275 for members and \$340 for non members. So hurry – get your registration form in before **Friday August 13**.

## The Trade Display

The Trade Display is always an important and popular feature of an ECAWA Conference and we hope that this year's will be more interesting than ever. If you know of a business or product you'd like to see represented, please pass the details to the Conference Convenor, Lynley McKernan at [lmckernan@ecawa.asn.au](mailto:lmckernan@ecawa.asn.au)