



## **ECAWA 2009 State Conference** Thursday 16<sup>th</sup> and Friday 17<sup>th</sup> July at Canning College, Bentley

### **Presentations**

#### **Major presentations by**

##### **Glenn Veen**

*Director Technologies and Telecommunications, Department of Education and Training*

##### **DET ICT Futures**

With the downturn in the economic climate, federal funding boosts for schools and the increasing demand for improved technical support for schools. What can the Department do to help resolve these issues and continue to enable schools choices in teaching and learning through ICT?

##### **About the Presenter:**

*20 years experience in ICT, 8 years in DET. Responsible for key ICT infrastructure projects and services in DET including, broadband, LWICT, internet, data centre, corporate application hardware and NSSCF*

##### **Associate Professor Joan Squelch**

*Head of the School of Business Law and Taxation, Curtin University of Technology*

##### **Schools, Social Networking Sites and the Law**

Social networking sites such as **MySpace** and **Facebook** are all the rage and they attract millions of users. Facebook has some 200 million active users and MySpace is allegedly signing up about 500 000 new users a week.

Social networking sites have profoundly changed the way people, including educators, communicate and interact. In fact, electronic communications are borderless and very public.

The social and educational advantages of social networking sites have been applauded. However, the exponential growth in the use of social networking sites by students and teachers alike has presented new legal issues for schools. As stated by an attorney for the National School Boards Association in the United States: 'This is a new frontier in education, where technology and social norms are outpacing law and policy'.

This presentation will provide an overview of the law relating to privacy and copyright and the use of the Internet, in particular social networking sites, within the school context and the implications for school policy.

##### **Jenny Jongste**

*Curriculum Consultant (ICT), Catholic Education Office*

*Details to follow*

## Some of the presentations in the Concurrent Programme include:

### **Vic Gecas**

*ECAWA Educator of the Year 2008*

### **Zen and the Art of Illustrator**

Illustrator is the number one drawing program, and with this workshop hopefully you'll soon start to understand why. With a little know-how and a few clicks of your mouse, you can learn to draw nearly anything your mind can imagine!

The first time you run Illustrator, you'll probably think that *Adobe Intimidator* would be a more appropriate name. While it's true this application has many different tools, panels, customizable options, and special features that you will need to understand to get the most out of it, Adobe does a great job of creating tools and panels that have repeating functionality, making it easy for you to learn the program quickly and intuitively.

Don't be fooled by Illustrator's vastness, however, because you will find a unique, consistent logic underlying it all. After you master a few basics, all the rest falls nicely into place.

### **A 'hands on workshop'**

**Intended audience:** Beginners welcome. Primary, Secondary, Middle School, Upper Secondary, Other

### **Tony Errington**

*ACS Vice-chair WA Board*

*with*

### **Arnold Wong**

*ACS Vice-chair WA Board*

and

### **Carolyn Toleman**

*ACS Foundation Scholarship Administrator*

### **Course Choice - Career Choice:**

***Connecting Education to Industry When students ask about careers in ICT - do you have the answers?***

Are you interested in industry supported professional development, lesson plans, field trips, work experience and scholarships?

The Australian Computer Society (ACS) is working with the local ICT industry to improve interaction with educators.

The presenters will describe what is available and in progress and will seek your input on what we can do to help increase student interest in ICT courses and careers.

**Intended audience:** Anyone with an interest in careers in ICT, but particularly Upper Secondary, Other

**Valerie Maxville**

*Education Program Leader, IVEC*

*with*

**Dr Chris Hines**

*HPC Systems Administrator, IVEC*

**Play the Game**

We face a paradox - kids love computers and games, but aren't interested in studying them. The reality is that they are using amazing technologies every day without an awareness of how they work or what else they could be used for.

This presentation will expose game technology including the Nintendo Wii, Nintendo DS, Playstation 3, iPhone and Sun's Wonderland (open source equivalent of Second Life).

See how games tech can be leverage to more thoughtful use of technology and be a step towards advanced computing concepts.

**Intended audience:** Anyone who is interested games in education but particularly teachers of Senior Secondary Computing subjects

**Paul Fuller**

*Teacher, Orange Grove Primary School*

**Create a Game in 60 minutes: Scratch for Absolute Beginners**

Scratch is the world's easiest programming language. Created by the 'Lifelong Kindergarten' group at MIT, Scratch follows in the tradition of Logo and Lego Mindstorms by creating a free tool for students to learn 21st century skills: creativity, collaboration, computation and mathematics.

In this hands-on session, participants will learn how Scratch can be used to teach students mathematical concepts in a context they love: game creation.

**A 'hands on workshop'**

**Intended audience:** Primary, Middle School,

**Paul Fuller**

*Teacher, Orange Grove Primary School*

**Web 2.0 Tools - Using Blogs and Wikis**

There is a huge amount of buzz at the moment about 'blogs' and 'wikis'. But what are they? And how might they be useful?

In this beginners session, you will discover how students, teachers and, yes, even administrators can create, communicate and collaborate using blogs and wikis.

Try for yourself and discover how easy and important it is for you and your students or your colleagues to collaborate using these 21st century tools

**A 'hands on workshop'**

**Intended audience:** All: Primary, Secondary, Middle School, Upper Secondary, Other

## **Stephen O'Neil**

*Computing Teacher, Belridge Senior High School*

### **Sound and Video Fundamentals**

Recent increases in personal computer performance and decreases in prices have led to a rapid uptake in the use of sound and video use.

In this presentation you will learn some of the fundamentals of digital sound and video editing and see demonstrations of a variety of software that can be used for everything from mixing music to producing DVDs.

**Intended audience:** Beginners welcome. Primary, Secondary, Middle School, Upper Secondary, Other

## **Stephen O'Neil**

*Computing Teacher, Belridge Senior High School*

### **Modern Website Editing with Dreamweaver**

Adobe Dreamweaver has deservedly become one of the leading applications for creating and editing websites due to its suitability for both beginners and advanced users.

In this session participants will learn some techniques that can be used in the creation of websites using advanced features such as CSS and behaviours. It is recommended that participants have a basic understanding of websites and Dreamweaver though beginners are welcome also

### **A 'hands on workshop'**

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

## **Anthony Peck**

*Teacher, Aquinas College*

### **Mixing ideas to make a new path**

Most of us have a USB thumbdrive or three lying around, perhaps dangling right now on the end of our keychain. But are we using them to their maximum potential?

This presentation is about a USB thumbdrive that has four modes of operation.

Firstly, it just dumbly stores data like all other thumbdrives. Secondly, it carries a swag of OSS titles that give more flexibility and compatibility when moving from computer to computer. Thirdly, it is bootable and carries an entire operating system on it for more stability and security. Lastly, there is a deeply encrypted vault which can carry important information.

All of this is on a 2Gb USB thumbdrive with more than 1.1Gb still available for data storage! How could this be possible, and what could it mean for the way that you and your students work?

OSS and fast, cheap thumbdrives converge to create a new vehicle for learning in our schools.

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

## **Roger Sor**

### **Two for the Price of One: EXCEL and Financial Literacy - some ideas for middle school**

We often hear on the news that people have suffered because they undertake financial obligations without realizing the possible consequences. The Federal Government became so concerned about that this problem that they funded research and development activities to address this issue.

One conclusion reached by researchers is that financial literacy should be integrated into the school curriculum at all levels and presented in the normal course of teaching Mathematics, Science, English, Civics and Citizenship and ICT. Importantly, the researchers claimed “These areas of study **do not** create new layers of work”.

This presentation shows how, with a judicious choice of material students can be taught the secrets and intricacies of EXCEL while at the same time gaining experience in money matters

**Intended audience:** Middle School

**Roger Sor**

### **Integrating ICT, Mathematics and Financial Literacy – some ideas for Middle and upper School**

We often hear on the news that people have suffered because they undertake financial obligations without realizing the possible consequences. The Federal Government became so concerned about the problem that they funded research and development activities to address this issue.

One conclusion reached by researchers is that financial literacy should be integrated into the school curriculum at all levels and presented in the normal course of teaching Mathematics, Science, English, Civics and Citizenship and ICT. Importantly, the researchers claimed “These areas of study **do not** create new layers of work”.

This presentation shows how, by choosing appropriate examples, students can experience the interplay of the three areas

**Intended audience:** Middle School, Upper Secondary

**Jenny Jongste**

*Curriculum Consultant (ICT), Catholic Education Office*

### **How to Engage Students in Science by using ICT**

Science is a subject filled with facts and content. Research indicates that engaging children in science through the use of appropriate multimedia has significant impact on results. Improved retention and application of content can be directly related to the effective use of Interactive Whiteboards, video, podcasts and other forms of ICT. During this session you will be provided with various examples of how to effectively engage and stimulate interest in Science through a variety of practical ICT solutions.

**Intended audience:** Primary, Middle School

**Dr. Jenny Lane**

*Senior Lecturer, School of Education, Edith Cowan University*

### **Engaging students of all ages in creating online exportable e-portfolios**

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary

**Moira Curtain**

*ICT Teacher, St Emilie's Catholic Primary School, Canning Vale*

### **Podcasting in the Classroom**

***Using Audacity on a Windows PC***

### **A 'hands on workshop'**

**Intended audience:** Particularly for Primary, Middle School but will be of interest to anyone wanting to see how easy it is to use Audacity to create audio files.

## **Jeremy Hurst**

*Business Development Manager, Winthrop Australia*

### **Podcasting: Resources and Production**

What are podcasts and why are we hearing so much about them?

This presentation defines what podcasting is and shows how to locate useful podcasting resources that you can use in your classroom immediately and at no cost.

Most importantly, we then explore how and why you would get your own students to create their own podcasts.

This presentation is relevant to any educator and will show you a wonderful example of the abundance of information available to us. The trick is knowing where to look!

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

## **Tomaz Lasic**

*Teacher, Belmont City College*

Is Twitter the dumbest thing ever?

A brief introduction to Twitter for teachers and the ways it could help you and your colleagues (no, it's not all about what you had for breakfast). A free handbook included!

### **A 'hands on workshop'**

**Intended audience:** All: Primary, Secondary, Middle School, Upper Secondary, Other

## **Rebecca Watkins**

*Consultant, AV Media Systems*

### **Interactive Whiteboards: The What, Why and How**

This presentation is designed to give clear and uncomplicated information on Interactive Whiteboards, offering a look at the impact, effectiveness, potential, scope and management of the technology.

Participants are given opportunities for hands on learning as well as time to discover answers to questions they have on integrating Interactive Whiteboards into their school, including everything from planning and preparation to support and training

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

## **Jane Lowe**

*Teacher, Oberthur Primary School*

### **Online Collaborative Projects**

There are many projects available to connect your students with other students around the world and give them the opportunity to ask questions and get answers in real or almost real time. I will give an overview of some of the projects my class has been involved in and show teachers where they can look for their own projects.

**Intended audience:** Primary

## **Carol Puddicombe**

*Head of Faculty, Technology and Enterprise, Guildford Grammar School*

### **Alice – Imaginary worlds in the curriculum**

Carol will discuss her experiences and those of her students, in using 'Alice' with a secondary school class.

**Intended audience:** Secondary, Middle School, Upper Secondary, Other

## **Paul Newhouse**

*Associate Professor, Director of the Centre for Schooling and Learning Technologies, ECU*

### **Digital Forms of Assessment – Applied Information Technology**

In many ways assessment drives the curriculum and often pedagogy at all levels of education. In a world where it is more important what you can do with what you know rather than just what you know it is critical that practical performance is assessed in reliable and valid ways that are also cost-effective. Increasingly the use of digital technologies to support the assessment of performance is seen as a key aspect to achieving this aim. This session will report on the findings of research in 2008 investigating assessment in Applied Information Technology.

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

## **Paul Newhouse**

*Associate Professor, Director of the Centre for Schooling and Learning Technologies, ECU*

### **Using digital technologies to represent and assess student performance**

This presentation reports on the first year of a study that has investigated the use of a range of digital technologies to represent and mark student work in Physical Education, Languages, Design and Technology, and Computing. During the study a number of technologies have been used including: audio and video recording, publishing and relational databases.

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

## **Brett Clarke**

*Founder and Director, yearn2learn.org – a division of ExternalEyes*

### **New Courses-New Pedagogy!**

#### ***AIT and CSC – Classroom activities and approaches to engage digital learners***

Through 'yearn2learn.org' I am beginning to work with schools and teachers to engage students and re-ignite the 'yearn to learn'. This involves a 'coaching' approach to teacher professional learning and the development of associated classroom activities that support the creation of classrooms that build student responsibility for learning and emphasise learning to learn alongside learning the course content. This workshop will highlight some classroom approaches and demonstrate some activities suitable for the new CSC and AIT courses

**Intended audience:** Secondary, Middle School, Upper Secondary, Other

**Brett Clarke**

*Founder and Director, [yearn2learn.org](http://yearn2learn.org) – a division of ExternalEyes*

**Standing on your head!!*****How Dartfish Video Analysis software turned PE studies and mass software deployment upside down***

In 2005, Presbyterian Ladies College pioneered a world first by implementing the use of Dartfish video analysis software across hundreds of laptops in its fleet, as a strategy to revolutionise teaching and learning in physical education. The presentation focuses its implementation over the past 3 years, on its curriculum drivers and demonstrates examples of its use in PE and across the curriculum. It also examines the technical aspects of large scale deployments of this tool including its integration with existing school Learning Management Systems

**Intended audience:** Secondary, Middle School, Upper Secondary, Other

**Brett Clarke**

*Founder and Director, [yearn2learn.org](http://yearn2learn.org) – a division of ExternalEyes*

**Vive la Revolution!!*****Putting the Revolution into Rudd's Digital Education initiatives***

The RUDD government Digital Education Revolution (DER) aims to REVOLUTIONISE education for the 21<sup>st</sup> century. As the greatest funding source for schools' technology to date, this presentation provides educational leaders, teachers and technologists with ideas and strategies for planning to maximize this opportunity to REVOLUTIONISE Learning in their institution.

Vive la Revolution!! Come along and be prepared to challenge and be challenged.

**Intended audience:** Secondary, Middle School, Upper Secondary, Other

**Rosie MacAlpine**

*IWB teaching and Learning Advisor, Concept AV*

**Using Google Earth in the primary classroom**

Google Earth is a wonderfully engaging tool for the primary classroom which can be used in maths, science, SOSE and literacy lessons. Come and learn how to use the tools of Google Earth and find fascinating online resources to explore the world in a whole new way.

**A 'hands on workshop'**

**Intended audience:** Primary

**Peter Crosbie**

Manager, Learning Technologies, AISWA and Curriculum Consultant

**EPICT – The European Pedagogical ICT Licence**

This presentation will provide information about the EPICT Licence as a staff development program in the practical integration of ICT within everyday teaching.

The Association of Independent Schools of Western Australia (AISWA) has recently become the national node (EPICT Australia [www.epictaustralia.org](http://www.epictaustralia.org)) for the European Pedagogy in ICT (EPICT); this initiative for teacher professional development is aimed at re-teaching existing teachers and trainee teachers for the digital age. It is essential that any development of ICT skills is combined with the pedagogy of using ICT so that the implementation in classrooms enhances students' outcomes in whatever context the skills are being used as part of teaching and learning.

EPICT is one of the very few – if not the only – trans-national approach to PD in the pedagogical application of ICT in teaching and learning. EPICT is not just about learning ICT skills; it is how to pedagogically apply those skills in student education. A European program that is well-documented,



tested, evaluated and in operation in nine European countries in the area of in-service teachers' professional development in pedagogical ICT integration.

The presentation will include a review of the EPICT course delivery process including the role of the facilitator, professional learning teams, course materials and learning management system

**Intended audience:** All school sectors and all levels -Primary, Secondary, Middle School, Upper Secondary, other

**Louise Cimetta**

*Assistant Principal, St Bernadette's Catholic Primary School, Port Kennedy*

**A Pedagogical Toolkit for Interactive Whiteboards**

In recent times interactive whiteboards (IWB's) have become a 'disruptive technology' in our classrooms, challenging and changing the way we teach. While there is no doubt that IWB's can increase the motivation and engagement of students, researchers are raising concerns about their effectiveness in enhancing student learning. Findings indicate that many teachers do not move from the initial 'manipulative' stage of learning how to use the software towards the stage of developing tasks that promote student learning without outside support.

How do we move beyond the 'bells & whistles' approach to use this expensive piece of technology in a way that effectively supports student learning? This presentation explores a kit of seven pedagogical tools that can enhance your use of interactive whiteboards in the classroom.

**Intended audience:** Primary

**Chris Marley**

*Advisor, ClickView Pty Ltd*

**ClickView**

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

**Mark Stephens**

Training Manager (PLC)

*with*

**Ben Beaton**

Head of ILT (Scotch College)

**Starting a 1:1 Laptop Program in years 4, 5 & 6:**

***First Hand Experience with Virtual Classrooms***

So, when a swine flu quarantine renders your school a ghost town, can laptop / virtual classroom technologies come to the rescue? Come along and find out.

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary

**Kim Flintoff**

*Instructional Designer, Curtin University*

**Role-playing in virtual worlds to learn everything.**

Kim's model of "generative play" proposes a purposefully playful but largely improvisational engagement for learning. Drawing together the established wisdom of educational drama, applied theatre and "situated role", this session will examine the benefits of creating socially driven learning activities inside 3D MUVes. Role-played learning activities in 3D MUVes can be framed as an "active-inquiry process". This session will propose and test some effective forms and conventions to frame inworld roleplay as purposeful collaborative learning.

**Intended audience:** Primary, Secondary, Middle School, Upper Secondary, Other

### **Sallianne Griffith**

*Teacher, Overnewton Anglican Community College, Taylor's Lakes Campus, VIC*

### **KidZanimation**

Using the PowerPoint program, students in the Early Years Classrooms create their own clip art and use these to produce animated cartoons, sometimes with dialogue and sound effects. This project is especially valuable for visual learners and reluctant writers.

You will be amazed by the animations you will see, which have been created by students from Year One to Year Four. In this workshop participants will create their own.

*The session assumes a simple knowledge of PowerPoint (but it is not essential).*

### **A 'hands on workshop'**

**Intended audience:** Teachers at all levels of ICT experience especially those wanting to make creative use of the PowerPoint program with their Junior Primary School students

### **Luke Halden**

*Teacher, Aranmore College*

### **Show me yours and I'll show you mine:**

#### ***Sharing our ideas, resources and experiences***

This will be an opportunity to share ideas, resources and experiences in an informal group. Please come prepared to 'show us yours'.

### **Nicole Caporn**

*Head of Technology Integration, Penrhos College*

### **AIT 3B - Internet and Web Tools**

Come along and gain some tips for teaching AIT 3B in the Internet and Web Tools context. See some work samples which illustrate an A level students work in the investigation and production tasks. Take away some resources to support your students in making their TV Commercials in Adobe Premiere and Adobe Encore.

BYO Flash Drive!

**Intended audience:** Teachers of Applied Information Technology

### **Belinda Lux**

*Lecturer and Graphic Designer, SAE*

### **Principles and Elements of Design**

**Intended audience:** Teachers of Applied Information Technology; anyone with an interest in design

### **Belinda Lux**

*Lecturer and Graphic Designer, SAE*

### **Using Adobe Photoshop CS4**

#### **Introduction**

### **A 'hands on workshop'**

**Intended audience:** This hands on workshop will best suit those who have at little previous experience of Photoshop.

**Belinda Lux**

*Lecturer and Graphic Designer, SAE*

## **More Adobe Photoshop CS4**

### **A 'hands on workshop'**

**Intended audience:** This hands on workshop will best suit those who have some previous experience of Photoshop CS4, including those who participated in the preceding workshop.

**Belinda Lux**

*Lecturer and Graphic Designer, SAE*

## **Using Adobe Flash CS4**

### **Introduction**

### **A 'hands on workshop'**

**Intended audience:** This hands on workshop will best suit those who have a little previous experience of Flash.

**Belinda Lux**

*Lecturer and Graphic Designer, SAE*

## **More Adobe Flash CS4**

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**Intended audience:** This hands on workshop will best suit those who have some previous experience of Flash CS4, including those who participated in the preceding workshop.

**Robin Hutton:**

*Teacher and Network Manager, Warwick Senior High School*

## **Flickr as a Tool**

### ***Use Flickr as a tool in your classroom and in your professional groups***

This presentation is an introduction to **Flickr** that will examine this photo sharing web site and show how teachers can use it in the classroom through both the primary and secondary years.

Robin's key focus is "using technology as a tool, not a toy" in the classroom. The **Flickr** experience is one that schools can use as an introduction to the way that the web can become an integral part of the students learning journey and enable them to share their ideas and images with a wider community.

To see what can be done go to <http://www.flickr.com/people/robinhutton/> where Robin has his **Flickr** site. Alternatively, just **Google** "Robin Hutton" and Robin's **Flickr** site will usually be the first site on the list.

### **A 'hands on workshop'**

**Intended audience:** All: Primary, Secondary, Middle School, Upper Secondary, Other

**Paul Reid**

## **Techniques for employing Web2.0 tools to automate your content publishing**

*Business Development Manager, Winthrop Australia*

Be it for your personal blog, school website, professional association, this session aims to provide a few ways to share your digital lifestream efficiently and effectively.

**Intended audience:** All: Primary, Secondary, Middle School, Upper Secondary, Other

**Paul Reid**

*Business Development Manager, Winthrop Australia*

### **Why parent-funded 1-1 notebook programmes will be the norm in a few years!**

There is a paradigm shift in the way technology is being made available in schools. How these programmes are initiated; taking in key stakeholder support, community engagement, teacher readiness, finance, deployment, backup and all the bits in between.

Eduspeak warning - "personalized learning opportunities" will be mentioned frequently.

**Intended audience:** All: Primary, Secondary, Middle School, Upper Secondary, Other