## Cumulative Index Volume 1 - Volume 19

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- **From Logo to Boxer: a new computational environment**
  (A comparison between LOGO and the author's new development, BOXER.)
  
  Andrea di Sessa  p.8

- **Desert Island Disks**
  (The outlook for the continued production of software may not be good, but the DTIS (latest scheme offers schools a chance to buy some choice programs. Bill Jagg suggests some guidelines.)
  
  Dr. Bill Jagg  p.16

- **Writing and wordprocessing in Year One**
  (Reports on the first stage of a two year project introducing children in Year One to the use of a wordprocessor)
  
  Robin Porter  p.18

- **A tool to think with: a new look at some old problems**
  (Problem solving in Maths and Science with LOGO.)
  
  Pauline Byrt  p.24

- **Is a (computer) picture worth a thousand words?**
  (What the research says about the effectiveness of computer graphics in educational software.)
  
  Geoff Ring  p.30

- **It's the educational strategy that matters even if the language is Prolog**
  (Reports experimental work comparing top down and bottom up approaches to learning Prolog by Grade five and six children.)
  
  G. Cumming & E. Abbot  p.34

- **The computer simulation in the education process or computer simulations go to school**
  (Discusses the use of computer simulations, simulation games and adventure games as an auxiliary aid to learning.)
  
  Ron Day  p.40

- **Why are girls under-represented? Suggestions from the literature**
  (A brief review of the literature relating to the relative participation of girls and boys in computing activities.)
  
  Val Clarke  p.46

- **Communications technology and distance education**
  (Reports on the Sydney Correspondence School's trial of electronic mail to reduce the turnaround time for students' lessons.)
  
  D. McKinnon & K. Sinclair  p.53

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**Health and Safety Issues**

- **Computer environments: For students?**
  (Addresses the question of student health and safety in classroom computer environments.)
  
  Patricia Berman  p.8

- **Occupational strains in school children - do they exist?**
  (Debates the possibility of RSI and other occupational strains in schools as being unlikely or negligible.)
  
  Michael Patkin  p.14

- **Posture in the school room**
  (Discusses the necessity of good ergonomic design in the school environment.)
  
  Margaret Ballock  p.23

- **Making front ends friendly: the case of Prolog**
  (Prolog user interface adapted to suit children's mental models.)
  
  E. Abbott & C. Cumming  p.26

- **Coming ready or not: microcomputers in the primary school**
  (Provides a philosophy and framework for considering the use of computers in primary schools.)
  
  Toni Downes  p.33

- **Why are girls under-represented? A study of primary school children**
  
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**Micros plus peripheral devices**

- **Schools computing: A surface effect or a significant movement?**
  (Refers to secondary schooling)
  
  Peter Sandery  p.10

- **Education not technology**
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  Anita Straker  p.18

- **28 ways to discourage children from using computers**
  (A tongue in cheek list.)
  
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- **From Gutenberg to Silicon Valley! Computing, changing childhood and schooling**
  (Places some of the changing views of childhood alongside emerging trends in computer education.)
  
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- **Micros plus people**
  
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- **An overview of alternative input/output devices used in special education**
  
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(Learning problem solving skills building a vehicle with Lego at Sunrise School.)
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(Describes use of telecommunications with hearing impaired children.)
Rewards beginning to flow: ACT Schools Authority library automated using ASCII.
Rea-envision thinking - why it ought to stop
(Defends three propositions relating to computer-based learning, gender attitudes and literacy.)
We've got the right formula say NSW staffers
(Describes state's assault on computer education problems.)
Time to break the mould?
(Explores whether schools should develop new curricula to keep pace with technological changes.)

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Turtle confusion: Logo puzzles and riddles
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Computers in the classroom in reality
(Teaching strategies.)
Changing the curriculum with MICES (model for improvement of computer education in schools)
( Discusses implementation of the National Computer Education Programme.)
Prolog and the future of educational computing
The impact of computers on the training needs of teachers
Technology in special education in Australia
Can the chicken hatch itself? Some issues relating to the use of information technologies across the curriculum.

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Trapping turtles - an engaging task
(Problem solving with LOGO.)
Information technology in the new Victorian Certificate of Education
Children discover the power of the press
(Describes project whereby special needs children created a newspaper in a simulated newspaper office.)
Involving girls in programming
Computers in the enquiry learning classroom

Book review
Logo - a serious language
Reviewer: Peter Carter

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Beyond excitement: an exploration of computing in education
(An address to the Computers in Education Group of South Australia.)
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John Windthep

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(Closing address at WCCE'90.) Seymour Papert p.19

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(A brief review of some theories in education and their application to teachers' learning.)

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(Explains the role of computers in assisting mute autistic children to communicate.)

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Expert systems in education: new opportunities or threats to the learning environment
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Self-directed learning and critiquing systems
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Another way of learning information technology
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(Concerned with the abilities of undergraduates of different academic disciplines to anticipate the social consequences of computer crime.)
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Apprentice computer programmers - an interview with Brian Harvey
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Ideology, educational computing and the moral purity of the information age
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Technology pushing education towards extension or extinction: the great Australian dilemma of change
(Describes a report released by the Australian Federal Government in 1980 entitled, "An apple for the teacher? Choice and technology in learning." Draws the analogy between the rate of technological change and a train which should not be missed.)
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Talking to learn in a microcomputer environment
(Restricts a study investigating language in the context of collaborative use of classroom-based microcomputers. Advocates verbal interaction between children to shape their experiences and structure their knowledge.)
R. Grice & M. Carss p. 35

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Carolyne Dowling p. 6

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(Sues to encourage the use of open-ended, exploratory and creative computer-based activities.)
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Deriving the device: microcomputer input decisions for young children
(Reports on research relating to the efficiency of use of the mouse, joystick and keyboard by children from preschool through to Grade three.)
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(An investigation of the effects of computer instructional games on student learning. (Discusses the potential of computer games for learning purposes through a study of special education students at a WA high school.)
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Right brain thinkers attack computers
(Describes the process and benefits of cartoon production by Year Six students.)
Michaela Mote p. 32

Not 'just' art: computer paint programs and ideas processing
(Outlines ways paint programs can be used in the classroom so that children's learning is enhanced and makes reference to the ways paint programs provide the ideal medium for designing, making and appraising.)
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(A personal report of one teacher’s experiences using a computer with her art students.) Wendy Harris p.35

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(Outlines a rationale for the use of databases in the primary classroom.) Geoff Romeo p.36

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The new technology: three views
Videoconferencing: new ways of interacting at a distance
(Considers university lecturing staff perceptions of changes in their use of teaching/learning strategies brought about through the use of videoconferencing.) John Schiller p.21

Contributed papers
The perceptions of school leavers toward information technology skills Ron Oliver p.25
(Examines the computer exposure received by school leavers in WA schools and investigates the perceptions and judgements of these students in relation to the need for, and the importance of, information skills.)

Can we meet the challenge? Problems with implementation and in-service in technology-related fields of education (A case study examining the challenge faced by primary school teachers as they began to implement a new science and technology curriculum.) Brian Ferry p.32

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History, computers and video
(Using Amiga computers and the school video camera, students have been able to record the results of their investigations of the experiences of the young Australians who went off to war in 1914 on the computer screen.) Adrian Brown p.37

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in a reconstructable computational medium (Shows how Boxer’s design design principles of spatial metaphor and naive realism enable fundamental computer science issues to be addressed in a real-world context.) Jeremy Roschelle p.4

C as a first programming language: its suitability at tertiary and secondary level
(Addresses the issues of the method of presenting a first programming course; the nature of preparation of incoming students and how students cope with the new course after the first year. Makes some observations and recommendations.) D.Newlands & J.Teague p.12

Getting anxious about electronic learning
(Reports on a study conducted over an eight month period in four Grade Seven classrooms.) John King p.16

The versatile computer: both tutor and cognitive tool Ken Sinclair p.21

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Characteristics of state-of-the-art computer-administered testing systems
(Describes computer administered testing (CAT) whereby the entire testing process is automated. Focuses on the testing environment.) Geoff Ring p.25

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Teaching computer ethics: need and methods (Examines the current ethical climate in computing and the need for teaching ethics.) Helen James p.8

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A history of information media
(Paper presented as a keynote address at the Australian Computers in Education Conference, 1993 at Penrith.) Dule Spender p.11

Encouraging girls to study computer science - should we even try?
(Drawing on interview material collected from tertiary education and industry the paper identifies the characteristics of careers using computers and make recommendations for attracting more girls to those careers.) J.Teague & V.Clarke p.17
Teachers' understanding of gender implications for learning with computers
(Reports on research implemented by CLIPS (Computers and Learning in
Primary Schools).)
Evelyn Tj Bransgrove p.23

From the classroom

Good works in information technology at Hallet Cove School
(The Year Eight, Nine and Ten Information Technology courses are outlined,
demonstrating a breadth of focus which is intended to address the national
expectations, the applications of computers across the curriculum and a well
structured whole-of-school approach.)
Breton Norman p.28

Short Communications

The emergence of a new career - the chief information officer
Peter Juliff p.33

Hacker values and a dilemma for information technology educators
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Turning the computer into the children's machine
Reviewer: J. Miller p.38

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Audiotapics used in distance learning
(Presents and introduction to audiotapics technology, its advantages and
disadvantages and a short summary of responses to an ongoing, informal
inquiry into the present uses of audiotapics.)
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Connecting schools to global networks: curriculum option or national
imperative.
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Contributed paper (referred)

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& D.Nicholls p.17

From the classroom

The Australian Capital Territory Education Information Network: ACTEIN
Michelle Huston p.24

Pilot Program Report, November 1994

Lessons learnt in connecting schools to the internet
(Refer to the experiences gained by the authors during the development
and implementation of cheap and simple Internet connections for schools
in the region surrounding the Central Queensland University in Rockhampton.)
R.Boggs & D.Jones p.29

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Guidelines for good practice: integration of information technology
into secondary schools
Reviewer: J.McKay-Scollay p.34

Learning, teaching and a role for technology
Reviewer: G.Cuming p.37

Global networks: computers and international communication
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for planning to incorporate information technology
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Adaptive learning environments: the future for tutorial software
(Discusses recent developments in Intelligent Tutoring Systems (ITS) which
emphasise a constructivist approach, giving control of the learning to the learner.)
Johs Eklund p.10

Sense-making and sensitivities: new pedagogies? new practices? new
acceptance of old ways of learning?
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Contributed paper (referred)

Kindergarten children's perceptions of a computerised robot
R.Potter & V.Clarke p.20

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We're connected!!
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Selecting and organising worthwhile computer based learning experiences
Jennifer Galligan p.27

Computer-aided knowledge acquisition
(Argues that computer use in classrooms should be based on pedagogical aims
and principles rather than on trial and error and that it should aim to
facilitate the acquisition of knowledge as well as skills.)
Helga Rowe p.29

EKIDS - the new discussion list for K-12 school children
C.Thursby-Pelham p.31

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In control: young children learning with computers
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Stream Scan
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Teacher professional development

Theme papers (refereed)

Teacher networking: a nationwide approach to supporting the instructional use of computers in the Netherlands (Reports on the PIT Project. An initiative whose goal is to stimulate the increased, effective integration of information technology in curriculum-area instruction in lower-secondary schools.)

B.Collis & B.Mooren

Richard Johnson

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Computers and learning in primary schools: a case study in teacher development (Describes teacher development issues arising in a school based collaborative study. The Computers and Learning in Primary Schools (CLIPS) research project.)

Contributed paper (refereed)

Using computers to teach and assess spatial visualisation skills (Reviews some of the applicable studies in visual perception, particularly those utilising computer technology and examines the spatial visualisation abilities in a group of university technology education students using a computer generated visual perception test.)

J.Andrius & B.Boocock

From the classroom

CAFE, beans and computer education

Technology and teacher training

Short commentaries

A professional development model for primary teachers participating in a computer technology program for schools

N.Yelland & C.Bigum

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Professional development for effective teaching and learning in Far North Queensland

J.King & E.Wilson

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The Australian Centre for Computer Enhanced Learning

N.Hooley & R.Toomey

Reviews

Learning with personal computers (Helga Rowe)

Nattering on the net: women, power and cyberspace (Dale Spender)

Reviewer: J.Stokes

Reviewer: P.Allison

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Volume 11, No. 1 (1996)

A ten year retrospective

Theme papers (invited)

The role of graphics in user interfaces

Dr. Geoff Ring

Bill Tagg

Desert Island Disks - ten years on (What software would you take with you if you were to be stranded on a desert island?)

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David H. McKinnon

Valerie A. Scott

Professional development in context (Offers two mini case studies as examples of how schools might take charge of their own professional development.)

G.Cumming & N.Thomason

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Why are girls under represented? Ten years on (Discusses the changes in perceptions of reasons for concerns about the under-representation of girls in 1986 and 1996.)

J.M.Owen & F.C.Lambert

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Educational strategy and cognitive change: from Prolog to Stan Play (Summarises the issues raised in the author’s 1986 paper (It’s the educational strategy that matters even if the language is Prolog. Vol. 1, No.1) and discusses how these issues compare with the issues addressed in their current research.)

R.M.Proctor & P.C.Burnett

Reviewer: Dr. S.Trinidad

Reviewer: A. Campbell

Contributed papers (refereed)

The notebook curriculum: an innovative approach to the use of personal computers in the classroom (Provides a framework for debate about the merits of the notebook curriculum.)

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Measuring computer attitudes in upper primary classrooms (Reports on the development and psychometric evaluation of the Upper Primary Classroom Computer Attitude Inventory (UPCCAI).)

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Book review

I can make my robot dance

Software review

Good intentions but Literacy Encounters does not deliver
Volume 11, No. 2 (1996)

Internet - our eye on the world
Contributed papers (referenced)

Definitions of net that teachers experience
(Explores a communities definition of the Net, that the Internet is made up of
intersecting communities of people.)
M. Williams & L. McKeown p. 4

Knowledge-based navigations support in hypermedia courseware using WEST
(Describes a project underway at the University of Technology, Sydney to
introduce partial on-line delivery of course materials to Educational Computing
students using the web-based authoring tool, WEST.)
John Ekland p. 10

Desert island disks - ten years on (reprint)
Bill Tagg p. 15

Decoding devices: the analysis of mental models in a computer classroom
(Focuses on the mental models students have of computers expressed through
both literal and figurative speech.)
Margaret Lloyd p. 19

The educational power of the intranet - a case study
(Describes the use of an intranet at Girgalang Primary School, ACT and argues
that an intranet enable better student access to Internet technology in financially
constrained schools.)
R. Long & G. Smith p. 24

Computer assisted instruction and individual cognitive style preferences in
learning: does it matter? (Reports the findings of a pilot study involving second
year nursing students at Queensland University of Technology aimed at improving
learning outcomes from Computer Assisted Instruction.)
H. Fillay & L. Wilks p. 28

Women and computing: some cultural perceptions and differences
(Compares the proportion of Australian and Asian women studying
computing and their reasons for doing so.)
J. Tague, L. Wilks & V. Clarke p. 34

Book review
Programming with visual basic
Reviewer: Dr. L. Nelson p. 40

Volume 12, No. 1 (1997)

The computer from cradle to Year 12
Contributed papers (referenced)

Technology: changing the way we think and learn or maintaining the
status quo (Based on a keynote presentation at Technology: Changing the
Way we Think and Learn Conference, University of Western Sydney, 1996.)
Dr. Nicola Yolland p. 3

Teaching and learning in telematics classrooms: fostering higher level
thinking outcomes (Discusses constraints imposed by the technology and
how teacher pedagogies may be adapted to maximise the communicative processes
in telematics classrooms in order to foster higher order thinking skills in gifted
and talented students.)
C. McLoughlin, R. Oliver and D. Wood p. 9

Young children and computers: debating the issues
(Presents some arguments for and against the use of computers for educational
purposes in early childhood settings.)
Y. Burgess and Dr. S. Trinidad p. 16

A question of design
(Considers the educational context for facilitating quality design work. Examples
from information technology, materials and systems is used to demonstrate how
the framework works in practice.)
Dr. Marilyn Fleer p. 22

From the schools (non-referenced)
Updating primary school computing to address the needs of the school
(A teacher's report on how the computing system was overhauled at
Yale Primary School, WA.)
Christine Harrison p. 26

Computer software, language experience, reading and language development
Frank Viola p. 28

Sponsored paper
Technology education: an environmental perspective
(Sponsored by the Commonwealth Department of Environment,
Sport and Territories.)
Julie King p. 30

Book reviews
Student's guide to homework on the internet
Reviewer: Jeremy Pagram p. 35

Review of technology books for upper primary and secondary technology
Reviewer: Dr. S. Trinidad p. 36
Volume 12, No. 2 (1997)

From Gutenberg to the classroom press

Contributed papers (refered)

Lower achieving primary students’ opinions on virtual reality (A study investigating the attitudes of a group of primary school students to working with virtual reality over a six week period in Queensland.)

A matter of equity: computers in Australian homes (Discusses the results of a number of recent studies that have investigated different aspects of computer use in Australian households.)

The effects of voice recognition systems on writing styles: implications for use in the education environment (Reports on a study surveying current users of voice recognition systems to assess how using voice input may affect writing styles.)

When I grow up: young people’s understanding of work in a ‘large computer company’ (Explores the understandings of a small group of Year Nine students about work in a large computer company.)

Children, robotics and problem solving: technology in the early childhood classroom (A modified version of the keynote address given at the Conference for Technology Education of Primary Teachers and Educators, July 1996, Tasmania.)

Contributed papers (non-refered)

Creations in cyberspace: challenging clever kids with computers (Considers the potential of the Internet in education by outlining a workshop for gifted students that gives critical insight into how the technology can add value to learning.)

Volume 13, No. 1 (1998)

Educational Research

Contributed papers (refered)

The impact of portable computers on classroom learning environments

Current issues and limitations in using the Internet for teaching and learning

Opening school doors to the real world: A review of literature on computer mediated communication and its role in the creation of constructivist learning environments

Implementing new generation instructional information management systems: A Western Australian example (Discusses the results of a survey of teachers and administrators regarding early implementation difficulties in a remote area school in WA).

Volume 13, No. 2 (1998)

State of the Nation (Special Issue)

National Overview

Table of state Education Department technology initiatives

Teachers, schools and the new technologies: An Australian Education Union discussion paper

State of the nation reports

Tasmania

Victoria

Western Australia

Catholic education

CEG Focus

Building professional communities: report from QSITE (Queensland Society for Information Technology in Education).

Contributed papers (refered)

The role and function of the computing coordinator in Western Australian Government Senior High Schools (Addresses the question of whether computing coordinators in WA high schools have adequate support to perform their duties?)

The student voice: Perceptions of autonomy and collaboration in learning with technology (Reports on the insights and responses of a group of students who accessed the gifted and talented program via telematics during 1996-1997).

ACCE Teacher Information Technology Competencies Project

ACEC '98 Conference summary and discussion
Reviews
Smarter not harder: multimedia made easier                      Dr. Sue Trinidad p.35
(video review)
Kids can do: computers in the K-6 classroom v1.0          Dr. Sue Trinidad p.35
(CD review)
Multimedia reading resources                            Bianca Herlihy p.
(software review)

Volume 14, No. 1 (1999)

Educational Research
Contributed papers (refered)
Laptop orthodoxy: Is portable computing the answer for education? Peter Albion p.5
(Argues the case for and against the extensive use of laptops in schools).

The use of familiar analogy in the perceptual understanding of interactive Paula Roberts p.10
multimedia environments (A case study examining the use of the news-magazine
genre style of writing assisting students’ conceptual transition from linear to
non-linear learning environments).

Web course management in higher education Bruce Mann p.15
The second step: A constructivist approach to classroom computing B.Hackborn & M.Boyle p.21
(Explores a constructivist approach as enacted in one school).

Developing macro queries: A comparison of text-based and visual options Craig Stading p.30
(Compares two common interface types for developing macros – a text-based
command interface and a visual command language for retrieving information
from a Geographical Information System).

Reviews
Software review: Inside Stories – Stage 2 Reviewer: Bianca Herlihy p.36

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Teacher Learning Technology Competencies
ACS endorsement of ACCE Teacher Learning Technology
Competencies Document Andrew Freeman p.5

Teacher Learning Technology Competencies
Part A: Background paper
The context of information technology.
Part B: Position paper
ACCE p.8
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Executive summary

Learning technology approaches and issues p.14
Existing approaches to Learning Technology Competencies p.23


Australian Computers in Education Conference

Feature paper
From CEGV 1979 to ACEC 2000: Australian computers in education
conferences come of age (Describes the events leading to the formation
of the Computer Education Group of Victoria and looks at the series of ACEC
conferences throughout the following 21 years).
A.McDougall & B.McCrae p.3

Contributed papers (refered)
Key markers in Victoria’s information technology journey into the knowledge age Giorielle Leigh p.7
(Explores the past, present and future of Victorian schools’ developmental journey
in information technology).

Promoting gender equity in the information technology classroom C.Chalmers & P.Price p.13
(Raises a number of issues relating to gender equity and suggests a
number of measures to reduce potential inequalities).

Reviews
Book review: Programming with Visual Basic Dr. Larry Nelson p.22
Software review: Back to Basics MATHS Reviewer: Bianca Herlihy p.23
Volume 15, No.2 (2000)

Internet
Contributed papers (refereed)
Making use of online discussion groups (Looks at the benefits, a range of strategies and problems to avoid with online discussion groups).
Graeme Saltter
p.5

OZTL.NET: An online professional community for teacher librarians
Ken Dillon
p.11

A proposed methodology for the teaching of information technology ethics in schools
Andrew Meyenne
p.15

Internet provision of enrichment opportunities to school and home
(Provides insight into the creation, evolution and future direction of the TalentED Virtual Enrichment Program (TEDVEP).
Howard Smith
p.20

Contributed papers (non-refereed)
Computer theft made easy
(A practical paper discussing various options for preventing theft)
Paul Symores
p.26

Vol. 16, No.1 (2001)

Computer Studies – position papers

Special report
Information technology and student learning in the Northern Territory
(Three schools in the NT highlight their use of information technology).
G.Smith, S.Carrwright & M.Littler
p.5

Make IT Studies count: time to acknowledge schools’ initiatives in IT curriculum (Refers to Australia’s hopes for an IT-led economic recovery and the need for an acknowledgement of the important contribution of school-level information technology courses in this recovery).
Michelle Williams
p.10

Issues and challenges in Information Technology education in Australian schools
Anne McDougall
p.18

Information and communication technologies in the ACT
Cathy Cook
p.20

Computing Studies in NT secondary schools
V.Czernesczyj et al
p.24

Computer Studies in Queensland senior schooling
Keith Netscher
p.28

Senior secondary IT programs in South Australia
Anne Ballard
p.34

The Computing subject in Tasmania
J.Bowes et al
p.38

Computer Studies in Victoria
Paula Christophersen
p.42

Computer Studies in Western Australia
Brett Clarke
p.48

Vol. 16, No. 2 (2001)

New learning technologies

Contributed papers (refereed)

Wireless portable technology unlocks the potential for computers to support learning in primary schools (Provides case studies reporting on an ethnographical action research study investigating the potential of wireless networking and portable computing).
Paul Newhouse
p.6

Computers in schools: Changing pedagogies
(Investigates the research literature in relation to the integration of computers in classrooms and discusses the support structure necessary for teachers to implement the use of the technology to support learning)
Cheryl Godfrey
p.14

Evaluating courseware: A need for more context bound evaluations?
(Aims to reinvigorate the debate over appropriate ways of evaluating courseware that will provide useful information for classroom teachers).
P.Hosie & R.Schibeci
p.18

Contributed paper (non-refereed)

Computer technologies: Scaffolding tools for teaching and learning
(Discuss the importance of scaffolding in students’ learning with reference to how computer technologies can provide this scaffolding).
Cheryl Godfrey
p.27

Reviews

Book review: The first computer mouse
Bianca Herlihy
p.30
Volume 17, No. 1 (2002)

**Cumulative index edition – Volumes 1 through 16**

**Contributed paper (non refereed)**

Reflections on a lifetime of change  
Frank James  
p.7

Reviews

Hardware review: The Tactus keyboard  
Reviewer: Bianca Herlihy  
p.12

**Volume 17, No. 2 (2002)**

**Contributed papers (referred)**

ICTs for learning: An overview of systemic initiatives in the Australian States and Territories. (Provides tables of individual States and Territories initiatives in ICT)  
G.Finger & S.Trinidad  
p.3

Information technologies: Competency requirements and development of IT skills in an Australian degree for K-6 teachers (Looks at IT capabilities required by a number of educational systems and discusses IT skills developed in the Bachelor of Education (primary) degree at the University of Melbourne, Australia.)  
D.Chambers & C.Tromp  
p.15

Musical composition and creativity in an advanced software environment  
(Provides a brief description of research into the use of professional level music software as a learning tool for creativity and composition by primary school children)  
Nicholas Reynolds  
p.21

Flexible learning: support issues for support staff  
(Addresses issues relating to equity and access, information literacy and online communication and the impact this has on support staff)  
Rosamund Winter  
p.26

**Contributed papers (non refereed)**

My life online!  
(Author's personal reflections on utilising online teaching & learning for dance units)  
Lorraine Connell  
p.31

Multimedia presentations: a powerful education learning tool  
(Aspects the advantages of using multimedia within the classroom)  
Paula Simeone  
p.33


**Contributed papers (referred)**

Interactive versus observational learning of spatial visualisation of geometric transformations (Compares interaction with a computer versus observation as learning situations for low and high ability students' learning of spatial visualisation and geometric transformations. Involved 34 Year 5 boys.)  
Glen Gordon Smith  
p.3

The online classroom: a self-aurlising theme park or a trial by multimedia?  
(Critiques the idea of virtual reality and learning in an online environment)  
C.Baskin & N.Anderson  
p.11

**Contributed papers (non refereed)**

Learning technologies: prototype classroom project  
(Discusses an action research undertaken at St Ursula's College in Queensland following the refurbishment of the Social Science room whereby four nests of computers were introduced.)  
J.Miller & K.Janovsky  
p.21

Volume 18, No. 2 (2003)

**Contributed papers (referred)**

Ergonomic and anthropometric considerations of the use of computers in schools by adolescents (Reports on a study that investigated the ergonomics in the use of computer facilities by Year 8 students attending a private secondary school in Western Australia)  
A.Jermolajew & P.Newhouse  
p.3

OK remote WA: we're listening... but can you hear us?  
(The first paper in a two part series. Describes the findings from two isolated and remote schools in the far north of Western Australia in 2001.)  
E.Rabbit & J.Pagam  
p.13

Learning through information communication technology: Critical perspectives  
(Examines the relationship between theory, research and practice with a focus on secondary mathematics)  
Gary Severinsen  
p.17

**Contributed papers (non refereed)**

Digital television: a personal view  
(Author's personal anecdotes on his use of digital television)  
Frank James  
p.23

Information communication technology

Contributed papers (referenced)

Auditing the ICT experiences of teacher education undergraduates
(Reports on the first phase of a project to audit the ICT experiences
of teacher education undergraduates)

G. Watson, R. Proctor, G. Finger & W. Lang

p. 3

Formal and informal learning in a computer clubhouse environment
(Outlines the establishment and running of an after school Computer
Clubhouse, describing aspects of the leadership, mentoring and learning
Activities undertaken there.)

A. McDougall, J. Lowe & J. Hopkins

p. 11

Learning through information communication technology: Critical perspectives
(Examines the relationship between theory, research and practice with a focus
on secondary mathematics)

Gary Severinsen

p. 17

Theme paper

OK remote WA, we're listening... but can you hear us? Part 2: 2003
(The second part of a longitudinal study on the reliability of and access to
ICT technologies in remote schools in north Western Australia)

E. Rabbit & J. Pagram

p. 21

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