

References

Alexander, S., McKenzie, J. and Greissinger, H. (1998) An Evaluation of Information Technology Projects for University Learning. Committee for University Teaching and Staff Development, Canberra.

Anderson, J. R., Corbett, A. T., Koedinger, K. R. and Pelletier, R. (1995a) Cognitive Tutors: Lessons Learned. *Journal of the Learning Sciences*, **4**, 167-207.

Anderson, J. R., Reder, L. M. and Simon, H. A. (1995b) *Applications and misapplications of cognitive psychology to mathematics education*, Carnegie Mellon University, Pittsburgh. Accessed: 29 December 2003. <http://act-r.psy.cmu.edu/papers/misapplied-abs-ja.html>.

Apache Software Foundation. (2002) *Lucene 1.2*, Apache Software Foundation,

Atkins, S. and Murphy, K. (1993) Reflection - a Review of the Literature. *Journal of Advanced Nursing*, **18**, 1188-1192.

Atlas Medical Software. (2003) *Atlas LabWorks*, Atlas Development Corporation, Woodland Hills.

Badewitz-Dodd, L. H. (Ed.) (1996) *1996 MIMS Annual*, MIMS Australia, Sydney.

Barrows, H. S. (1986) A taxonomy of problem based learning. *Medical Education*, **20**, 481-486.

Bednar, A. K., Cunningham, D., Duffy, T. M. and Perry, J. D. (1995) Theory into practice: How do we link. In *Instructional Technology: Past, Present, and Future (2nd ed)*(Ed, Anglin, G. J.) Libraries Unlimited, Englewood, Colorado.

Bergin, R. A. and Fors, U. G. H. (2003) Interactive simulated patient-an advanced tool for student activated learning in medicine and healthcare. *Computers & Education*, **40**, 361-376.

Bloemendaal, P. M., Eggermont, S., Schoonderwaldt, E. M. and Van Baalen, J. M. (2002) *Medical training with the dynamic patient simulator*, Slice of Life, Toronto. <http://www.lumc.nl/5020/>

Boud, D., Keogh, R. and Walker, D. (1985) *Reflection: Turning Experience into Learning*, Kogan Page, London.

Boyd, E. M. and Fales, A. W. (1983) Reflective learning: key to learning from experience. *Journal of Humanistic Psychology*, **23**, 99-117.

Branch, W. T. and Paranjape, A. (2002) Feedback and reflection: teaching methods for clinical settings. *Academic Medicine*, **77**, 1185-8.

Braunwald, E., Fauci, A. S., Kasper, D. L., Hauser, S. L., Longo, D. L. and Jameson, J. L. (2001) *Harrison's Principles of Internal Medicine. 15th ed.*, McGraw-Hill, New York.

Brna, P., Irvine, P. and Duncan, D. (2000) *Support for Lifelong Self-Learners Using the Internet*, Computer Based Learning Unit, Leeds University, Leeds. Accessed: 11 July 2001. <http://cbl.leeds.ac.uk/~paul/projects/neltegem/>.

Bryce, D. A., King, N. J. C., Jeremy, R. W. and Myers, J. H. (1997) *Facilitating clinical reasoning through computer based learning and feedback*, The Fourteenth Conference of the Australasian Society for Computers in Learning in Tertiary Education,

Bull, S., McEvoy, A. T. and Reid, E. (2003) *Learner models to promote reflection in combined desktop PC / mobile intelligent learning environments*, Artificial Intelligence in Education, Sydney.

Burnard, P. (1995) Nurse educators' perceptions of reflection and reflective practice: a report of a descriptive study. *Journal of Advanced Nursing*, **21**, 1167-1174.

Chen, Y. T. and Burchell, A. (1995) Glycogen Storage Diseases. In *The Metabolic and Molecular Bases of Inherited Disease 7th Ed.*, Vol. 1 (Eds, Scriver, C. R., Beaudet, A. L., Sly, W. S. and Valle, D.) McGraw-Hill, New York, pp. 935-965.

Cimolino, L., Kay, J. and Miller, A. (2003) *Incremental student modelling and reflection by verified concept mapping*, Artificial Intelligence in Education, Sydney.

Clancy, W. J. (1987) *The GUIDON Program*, MIT Press, Cambridge.

Clouder, L. (2000) Reflective practice in physiotherapy education. A critical conversation. *Studies in Higher Education*, **25**, 211-223.

Clyman, S. G. and Orr, N. A. (1990) Academic computing in medicine: Status report on the NBME's computer based testing. *Academic Medicine*, **64**, 235-241.

Costello, W. J., Mann, D. D. and Dane, P. B. (1997) Computer case simulations for student evaluation in a PBL track. In Anderson MB (ed). In progress: Reports of new Approaches in Medical Education. *Academic Medicine*, **72**, 416.

Davies, E. (1995) Reflective Practice - a Focus for Caring. *Journal of Nursing Education*, **34**, 167-174.

- Davis, D., O'Brien, M. A. T., Freemantle, N., Wolf, F. M., Mazmanian, P. and Taylor-Vaisy, A. (1999) Impact of formal continuing medical education: Do conferences, workshops, rounds and other traditional continuing education activities change physician behaviour or health care outcomes? *Journal of the American Medical Association*, **282**, 867-874.
- Devitt, P., Cehic, D. and Palmer, E. (1998) Computers in medical education 2. Use of a computer package to supplement the clinical experience in a surgical clerkship: an objective evaluation. *The Australian & New Zealand Journal of Surgery*, **68**, 428-431.
- Dewey, J. (1933) *How we think: A restatement of the relation of reflective thinking to the educative process (2nd ed)*, Heath and Company, New York.
- Dimitrova, V. (2003) STyLE-OLM: Interactive open learner modelling. *International Journal of Artificial Intelligence in Education*, **13**, In Press.
- Elstein, A. S., Shulman, L. E. and Sprafka, S. A. (1978) *Medical Problem Solving*, Harvard University Press, Cambridge, Massachusetts.
- Elstein, A. S., Shulman, L. S. and Sprafka, S. A. (1990) Medical problem solving: A ten year retrospective. *Evaluation & the Health Professions*, **13**, 5-36.
- Engel, J. D., Wigton, R., LaDuca, A. and Blacklow, S. (1990) A social judgement theory perspective on clinical problem solving. *Evaluation & the Health Professions*, **13**, 63-78.
- Eraut, M. (2001) Do continuing professional development models promote one-dimensional learning. *Medical Education*, **35**, 8-11.
- Fitzgerald, J. T., Wolf, F. M., Davis, W. K., Barclay, M. L., Bozynski, M. E., Chamberlain, K. R., Clyman, S. G., Shope, T. C., Woolliscroft, J. O. and Zelenock, G. B. (1994) A preliminary study of the impact of case specificity on computer based assessment of medical student clinical performance. *Evaluation & the Health Professions*, **17**, 307-321.
- Friedman, C. P. (1995) Anatomy of the clinical simulation. *Academic Medicine*, **70**, 205-209.
- Goran, M. J., Williamson, J. W. and Connella, J. S. (1973) The validity of patient management problems. *Journal of Medical Education*, **48**, 171-177.
- Hammond, K. R. (1971) Computer graphics as an aid to learning. *Science*, **172**, 903-908.
- Hayes, K. A. and Lehmann, C. U. (1996) The interactive patient: a multimedia interactive educational tool on the world wide web. *MD Computing*, **13**, 330-334.

Health Communications Network. (2003) *Medical Director*, Health Communications Network, Sydney.

Health Insurance Commission (2003) *Medical Benefits Schedule*, Health Insurance Commission, Canberra.

Hubal, R. C., Kizakevich, P. N., Guinn, C. I., Merino, K. D. and West, S. L. (2000) The virtual standardized patient. Simulated patient-practitioner dialog for patient interview training. *Studies in Health Technology & Informatics*, **70**, 133-138.

Imel, S. (1992) *Reflective Practice in Adult Education*. ERIC Digest No. 122, ERIC Clearinghouse on Adult Career and Vocational Education Columbus, Accessed: 17 October 2003. <http://www.ericfacility.net/ericdigests/ed346319.html>.

Issenberg, S. B., McGaghie, W. C., Hart, I. R., Mayer, J. W., Felner, J. M., Petrusa, E. R., Waugh, R. A., Brown, D. D., Safford, R. R., Gessner, I. H., Gordon, D. L. and Ewy, G. A. (1999) Simulation technology for health care professional skills training and assessment. *JAMA*, **282**, 861-866.

Jackson, C. J. and Furnham, A. (2000) *Designing and Analysing Questionnaires and Surveys: A Manual for Health Professionals and Administrators.*, Whurr Publishers, London.

Johns, C. (1995) The value of reflective practice for nursing. *Journal of Clinical Nursing*, **21**, 23-30.

Kay, J. (1997) *Learner know thyself: Student models to give learner control and responsibility*, International Conference on Computers in Education, Kuching, Malaysia.

Kay, J. (2001) Scrutability for personalised interfaces. *ERCIM NEWS. Special Theme Issue on Human Computer Interaction.*, **46**, 49-50.

Kirwan, J. R., de Saintonge, D. M. C., Joyce, C. R. B. and Currey, H. L. F. (1983) clinical judgement analysis - practical application in rheumatoid arthritis. *British Journal of Rheumatology*, **22(supplement)**, 18-23.

Knowles, M. S. (1980) *The Modern Practice of Adult Education. From Pedagogy to Andragogy*, Follett Publishing Company, Chicago.

Koedinger, K., Alevan, V., Heffernan, N., McLaren, B. M. and Hockenberry, M. (2004) *Opening the Door to Non-Programmers: Authoring Intelligent Tutor Behavior by Demonstration*, Seventh International Conference on Intelligent Tutoring Systems, <http://www.pitt.edu/~bmclaren/tutor-tools-ITS04.pdf>

Koedinger, K. R. (1998) Intelligent Cognitive Tutors as Modeling Tool and

Instructional Model. In *Position Paper for the NCTM Standards 2000 Technology Conference* Carnegie Mellon University, Pittsburgh.

Lowe, P. B. and Kerr, C. M. (1998) Learning by reflection: The effect on educational outcomes. *Journal of Advanced Nursing*, **27**, 1030-1033.

Macleod, J. (1983) *Clinical Examination*, Churchill Livingstone, Edinburgh.

Mallik, M. (1998) The role of nurse educators in the development of reflective practitioners: a selective case study of the Australian and UK experience. *Nurse Education Today*, **18**, 52-63.

McCarthy, W. H. and Gonnella, J. S. (1967) The simulated patient management problem: a technique for evaluating and teaching clinical competence. *British Journal of Medical Education*, **1**, 348-352.

McGuire, C. H. and Babbott, D. (1967) Simulation technique in the measurement of problem solving skills. *Journal of Educational Measurement*, **4**, 1-10.

Melnick, D. E. (1990) Computer based clinical simulation: State of the art. *Evaluation & the Health Professions*, **13**, 104-120.

Merrill, D. M. (1991) Constructivism and instructional design. *Educational Technology*, **31**, 45-52.

Moon, J. (2001) *Reflection in Higher Learning*, Learning and Teaching Support Network, Accessed: 17 October 2003.

http://www.ltsn.ac.uk/application.asp?app=resources.asp&process=full_record§ion=generic&id=72.

Morales, R., Pain, H., Bull, S. and Kay, J. (1999) Open, interactive, and other overt approaches to learner modelling (Proceedings of the workshop at AIED 99). *International Journal of Artificial Intelligence in Education*, **10**, 1070-1079.

Myers, J. H., Dorsey, K. and Benz, E. (2001) *DxR Clinician*, DXR Development Group, Carbondale.

MySQL AB. (2000) *MySQL 3.23*, MySQL AB, Uppsala, Sweden.

Nielsen, J. (1993) *Usability Engineering*, AP Publishing, Boston.

Patel, V. L. and Groen, G. J. (1993) Reasoning and Instruction in Medical Curricula. *Cognition and Instruction*, **10**, 335-378.

Patel, V. L., Kaufman, D. R. and Arocha, J. F. (2000) Conceptual Change in the Biomedical and Health Science Domain. In *Advances in Instructional Psychology*

Volume 5. *Educational Design and Cognitive Science*, Vol. 5 (Ed, R. G.) Lawrence Erlbaum Associates, Mahwah, pp. 329-392.

Phillips, R., Bain, J., McNaught, C., Rice, M. and Tripp, D. (2000) *Handbook for learning centred evaluation of computer-facilitated learning projects in higher education*, Murdoch University, Melbourne.

PJA Computer Consultants. (2004) *Auscare Clinician Access Plus*, PJA Computer Consultants, Melbourne.

Prideaux, D., Alexander, H., Bower, A., Dacre, A., Haist, S., Jolly, B., Norcini, J., Roberts, T., Rothman, A., Rowe, R. and Tallet, S. (2000) Clinical teaching: maintaining an educational role for doctors in the new health care environment. *Medical Education*, **32**, 820-826.

Rich, C., Lesh, N., Garland, A. and Rickel, J. (2002) *A plug-in architecture for generating collaborative agent responses*, Proceedings of the first international joint conference on autonomous and multiagent systems, Bologna, Italy.
<http://doi.acm.org/10.1145/544862.544924>

Rickel, J. and Johnson, W. L. (1998) *STEVE: a pedagogical agent for virtual reality*, Proceedings of the second international conference on autonomous agents, Minneapolis, United States. <http://doi.acm.org/10.1145/280765.280851>

Robinson, M. J. and Robertson, D. M. (1999) *Practical Paediatrics*, Churchill Livingstone, Edinburgh.

Ruth-Sahd, L. A. (2003) Reflective practice: A critical analysis of data-based studies and implications for nursing education. *Journal of Nursing Education*, **42**, 488-497.

Scanlan, J. M., Care, W. D. and Udod, S. (2002) Unravelling the unknowns of reflection in classroom teaching. *J Adv Nurs*, **38**, 136-143.

Schafer, R. (2001) *Rules for using multi-attribute utility theory for estimating a user's interests*, Adaptivität und Benutzermodellierung in interaktiven Softwaresystemen (Conference), University of Dortmund. http://www.kbs.uni-hannover.de/~henze/ABIS_Workshop2001/final/Schaefer_final.pdf

Schmidt, H. G., Norman, G. R. and Boshuizen, H. P. A. (1990) A cognitive perspective on medical expertise: theory and implications. *Academic Medicine*, **65**, 611-621.

Schön, D. A. (1987) *Educating the Reflective Practitioner. Toward a New Design for Teaching and Learning in the Professions*, Jossey-Bass, San Francisco.

Shapiro, J. and Talbot, Y. (1991) Applying the concept of the reflective practitioner to understanding and teaching family medicine. *Family Medicine*, **23**, 450-6.

Spiro, R. J., Feltovitch, P. J., Jacobson, M. J. and Coulson, R. L. (1991a) Cognitive flexibility, constructivism and hypertext: random access instruction for advanced knowledge acquisition in ill-structured domains. *Educational Technology*, **31**, 24-33.

Spiro, R. J., Feltovitch, P. J., Jacobson, M. J. and Coulson, R. L. (1991b) Knowledge representation, content specification, and the development of skill in situation-specific knowledge assembly: some constructivist issues as they relate to cognitive flexibility theory and hypertext. *Educational Technology*, **31**, 22-25.

Tucker, L. R. (1964) A suggested alternative formulation in the development by Hirsch, Hammond and Hirsch and by Hammond, Hirsch and Todd. *Psychology Review*, **71**, 528-530.

Von Winterfeldt, D. (1986) *Decision Analysis and Behavioural Research*, Cambridge University Press, New York.

Wong, F. K. Y., Kember, D., Chung, L. Y. F. and Yan, L. (1995) Assessing the level of student reflection from reflective journals. *Journal of Advanced Nursing*, **22**, 48-57.