Bibliography

Abelson, H., (1982). Apple LOGO, By e, 224p.

Adams, D.M., and Hamm, M.E., (1990). Cooperative Learning: Critical Thinking and Collaboration Across the Curriculum, Charles C. Thomas Pub., 167p.

Anderson, J.R., Boyle, F.C., and Reiser, B.J., (1985). Intelligent Tutoring Systems, *Science*, Vol 228, No 4698, pp. 456-462.

Barr, A., and Feigebaum, E.A., (1982). The Handbook of Artificial Intelligence, Heuris Technical Press, Vol 2.

Beynon, J., and Mackay, H., (1993). *Technological Literacy and the Curriculum*, Falmer Press, Vol 3, pp 212-228.

Blemings, S., (1985). Microcomputers and the Preschool Child, *Microcomputers in Preschool Education Project*, Div sion of PreSchool Education, Department of Education, Queensland.

Bobrow, D.G., and Collins, A., (1975). Representation and Understanding: Studies in Cognitive Science, Academic Press, 427p.

Bright, G.W., (1983). Explaining the efficiency of computer-assisted instruction, *AEDS Journal*, Vol 16, No 3, pp. 144-153.

Brown, A.R., (1993). The Adventure: of Jasper Woodbury and Anchored Instruction, in *Reaching Out With IT*, Lo, B.W.N (ed.) The University of New England-Northern Rivers, pp. 193-202.

Burnett, J.T., and Friesen, C.D., (1935). Development of a K-12 Computer Science Curriculum utilizing the LOGO Computing Language as a promary vehicle, in *Computers in Education*, Duncan, K., and Harris, D. (eds.) Elsevier Science, pp. 601-604.

Burton, A., and Radford, J., (1978). Thinking in Perspective: Critical Essays in the Study of Thought Processes, Methuen, 232p.

Clancy, H.M., (1992). Information Technology: A Teacher's Resource Book, Pitman, 213p.

Clark, R.E., (1984). Learning from computers: Theoretical problems, *Paper presented at the annual meeting of the American Ecucational Research Association*, New Orleans.

Collins, A., and Smith, E.E., (1988). *Peadings in Cognitive Science: A Perspective from Psychology and Artificial Intelligence*, M. Kaufmann Publishers, 661p.

Cory, S., and Walker, M., (1995). LOCO Works: Lessons in LOGO, Terrapin, 194p.

Crawford, K.P.., (1986). Simultaneous and successive processing, executive control and social experience: Individual differences in educational achievement and problem solving in mathematics. PhD. Thesis UNE.

Dence, M., (1980). Toward defining the role of CAI: A review, *Educational Technology*, Vol 20, No 11, pp. 28-32.

Dennis, J.R., Kansky, R.J., (1984). *Instructional Computing: An Action Guide for Educators*, Scott Foresman and Co., pp. 1-183.

Fitzgerald, D., (1978). A Model of Simultaneous and Successive Processing as a Basis for Developing Individualised Instruction Education Research and Development Committee, University of New England.

Ford, L., (1987). Teaching strategies and tactics in intelligent computer aided instruction, *Artificial Intelligence Review*, Vol 1, pp. 201-215.

Gadanidis, G., (1994). Deconstructing Constructivism, *The Mathematics Teacher*, Vol 87, No 2, pp. 91-97.

Gagne, R.M., (1985). The Conditions of Learning and Theory of Instruction, Holt, Rinehart and Winston, 329p.

Gallagher, K., (1986). The Impact of Computers on Instruction and Student Outcomes, *Paper presented to the Resourcefulnes: in Special Education Conference*, Armidale.

Glaser, E., Abelson, H.H., and Garrison, K.N., (1983). Putting Knowledge to Use: Facilitating the diffusion of knowledge and the implementation of planned change, Jossey-Bass, 636p.

Green, K.N., (1977). An examination of a model of individual differences in sequential and simultaneous processing for the study of aptitude-treatment interaction, PhD. Thesis UNE.

Hammond, R., (1984). Forward 100. LOGO and Your Child: A New Way of Learning, Viking Books, 304p.

Hannafin, M.J., and Peck, K.L., (1938). The Design Development and Evaluation of Instruction Software, MacMillan Publishing Co., 379p.

Jonassen, D.H., (1990). Thinking Technology: Towards a Constructivist View of Instructional Design, *Educational Technology*, September, pp. 32-34.

Kearsley, G.P., (1987). Artificial Intel igence and Instruction: Applications and Methods, Addison-Wesley, 351p.

Kent, W.A., and Lewis, R., (1987). Computer Assisted Learning in the Humanities & Social Sciences, Blackwell Scientific Publications, 213p.

Koronios, A., (1989). SOLON: An Expert Help System for the Software Package Open Access, M.Litt. Thesis UNE.

Leiblum, M.D., (1982). Factors sometimes overlooked and underestimated in the selection and success of CAL as an instructional medium, *AEDS Journal*, Vol 15, No 2, pp. 67-79.

Lewis, R., and Tagg, E.D., (1987). *Trends in Computer Assisted Education*, Blackwell Scientific Publications, 223p.

Lunneborg, C.E., and Abbot, R.E., (1983). Elementary Multivariate Analysis for the Behavioral Sciences, Elsevier Science, pp. 437-446.

Marcure, J., (1987). The Portable Tutor: Computers in Training and Education, Australian Computing, August edition, pp. 32-40.

Martin, A., (1986). Teaching and Learning with LOGO, Groom Helm Ltd., pp. 1-18.

Maxwell, A.E., (1977). Multivariate Analysis in Behavioural Research, Chapman and Hall, pp. 1-45.

Mitzel, H.E., (1970). The Impending Instruction Revolution, *Phi Delta Kappan*, Vol LI, No 8, pp. 434-439.

Mudrick, D., (1987). Human Factors in Authoring Systems, in Computer Controlled Interactive Video - multi-media authoring system, Droar, T., The Technical Press - Unicom Ltd., pp. 1-41.

Neill, G., (1979). Artificial Intelligence, Tab Inc., 136p.

Newell, A., and Simon, H.A., (1972). Human Problem Solving, Prentice-Hall, 920p.

Noss, R., (1990). Mindstorms plus one - and counting, *Proceedings of LOGO and Mathematics Education Conference LME5*, Nevile, L. (ed.) Australian Council for Educational Research, pp. 71-88.

Noss, R., and Tagg, W., (1985). Ch ldren in Control of Computers, in *Computers in Education*, Duncan, K., Harris, D. (eds.) Elsevier Science, pp. 83-87.

Nwana, H.S., (1990). Intelligent Tutoring Systems: An overview, *Artificial Intelligence Review*, Vol 4, pp. 251-277.

O'Shea, T., and Self, J., (1983). Learning and Teaching with Computers: Artificial Intelligence in Education, Harvester P ess, 307p.

Palincscar, A.S., (1984). The Learning Environment as a Site of Science Education Reform, *Theory into Practice*, Vol 34, No 1,pp. 43-50.

Papert, S., (1980). Mindstorms: Chi dren, Computers and Powerful Ideas, Harvester, 230p.

Pavlov, I.P., (1940). Conditional reflexes: an investigation of the physicological activity of the central cortex, translated and edited by G.V. Anrep, Oxford University Press, 430p.

Piaget, J., (1970). Genetic Epistemology, Columbia University Press.

Poirot, J.L., and Norris, C.A. (1987). Artificial Intelligence: Applications in Education, *Computing-Teacher*, Vol 15, No 1, pp. 8-10.

Rabinowitz, M., (1993). Toward Integrated Curricula: Possibilities From Anchored Instruction, in *Cognitive Science Foundations of Instruction*, Lawrence Erlbaum Associates, pp. 33-55.

Reed, W.M., and Burton, J.K., (1988. Educational Computing and Problem Solving, Haworth Press, 217p.

Ridgway, J., (1987), A Review Of Mathematics Tests, NFER-Nelson, 198p.

Robinson, P.R., (1987). Using Turbo P. olog, Osborne/McGraw-Hill, 340p.

Rowe, H.A.H., (1993). Learning with Personal Computers: Issues, Observations and Perspectives, The Australian Council for Educational Research, 286p.

Rumelhart, D.E., and McClelland, J.L., (1980). Parallel Distributed Processing: Explorations in the Microstructure of Cognition, MIT Press, Vol 2.

Schank, R.C., (1982). Reading and Understanding: Teaching from the Perspective of Artificial Intelligence, L. Erlbaum Associates, 196p.

Schildt, H., Advanced Turbo Prolog, Osborne/McGraw-Hill, 299p.

Seidel, R.J., and Rubin, M., (1977). Computers and Communications: Implications for Education, *Proceedings of the conference on computer technology in education* at Airlie House, Warrenton, Virginia, on Septen ber 15-18 1975, Academic Press, 409p.

Shaughnessy, M.P., (1977). Errors and Expectations: A Guide for the Teacher, Oxford University Press, 311p.

Siegel, M.A., (1986). *Understanding Computer-Based Education*, Random House, 236p.

Simonson, M., and Thompson, A., (1990). *Educational Computing Foundations*, MacMillan Pub. Co., 393p.

Skinner, B.F., (1969). Contingencies of Reinforcement: A Theoretical Analysis, Appleton-Century-Crofts.

Sleeman, D., and Brown, J.S., (1982. Intelligent Tutoring Systems, Academic Press, 345p.

Sparck-Jones, K., (1981). *Information Petrieval Experiment*, Butterworths, 352p.

Software Publishing Company, (1983). *Bodyworks Version 3*, Software Publishing Company, 61p.

Spiro, R.J., Feltovich, P.J., Jacobso 1, M.J., and Coulson, R.L., (1991). Cognitive Flexibility, Constructivism, and Hypertext: Random Access Instruction for Advanced Knowledge Acquisition in Ill-Structure 1 Domains, Educational Technology, May, pp. 24-33.

Spiro, R.J., and Jehng, J-C., (1990). Cognitive Flexibility and Hypertext: Theory and Technology for the Nonlinear and Multidimensional Traversal of Complex Subject Matter, in *Cognition, Education, Multimedia: Exploring Ideas in High Technology*, Nix, D., Spiro, R. (eds.) Lawrence Erlbaum Associates, pp. 129-171.

Steinberg, E.R., (1984). *Teaching Computers To Teach*, Lawrence Erlbaum Assoc. Inc., 185p.

Sutton-Smith, B. (1979). *Play and Lea ning*, Gardner Press, 335p.

Thorndike, E.L., (1969). *Human nature and the social order*, M.I.T. Press, 363p.

Townsend, C., (1987). Advanced Techniques in Turbo Prolog, Sybex, 315p.

Walton, J.E., (1983). Sequential and simultaneous processing abilities and their interaction with instructional treatments in senior high school mathematics, PhD. Thesis UNE.

Weir, S., (1987). Cultivating Minds: A LOGO Casebook. Harper & Row, 258p.

Williams, D., (1990). Reaching for the stars, *Proceedings of LOGO and Mathematics Education Conference LME5*, Nevile, L. (ed.) Australian Council for Educational Research, pp 17-24.

Williams, R.A., (1984). Preschoolers and the Computer, *Arithmetic Teacher*, Vol 31, No 8, pp.39-42.

Willis, J.W., Johnson, D.L., and Dixon, P.N., (1983). *Computers, Teaching and Learning*, Published dilithium Press U.S., pp 159-182.

Winograd, T., (1981). Language as a Cognitive Process, Addison-Wesley, 615p.

Woodley, C.E., (1993). Cognitive Abilities and Instructional Treatments in a Reasoning Unit for Senior Primary School: A Study of Aptitude Treatment Interaction, PhD. Thesis UNE.