

# PBL in the Social Sciences

## Bibliography



- Abram, S. & Booth, P. (2004), *Culture, place and planning: a case study of problem based learning*. Cardiff: Centre for Education in the Built Environment. [Available online at: [http://www.cebe.heacademy.ac.uk/learning/casestudies/case\\_pdf/sabram.pdf](http://www.cebe.heacademy.ac.uk/learning/casestudies/case_pdf/sabram.pdf); accessed 4/1/2008].
- Adamowski, T.; Frydecka, D. & Kiejna, A. (2007). "Problem based learning (PBL) – Possible adaptation in psychiatry". *Psychiatria Polska*, 41 (2), 163-169.
- Akehurst, G. & Teare, R. (1988). "Exploring the potential for problem-based learning in syndicates". *Business Education*, 9 (1), 13-18.
- Allen, R. & Rooney, P. (1998). "Designing a Problem-Based Learning Environment for ESL Students in Business Communication". *Business Communication Quarterly*, 61 (2), 48-56.
- Ault, D. & Rutman, G. (1978). "The Role of Economics in Interdisciplinary and Problem-Oriented Programs". *Journal of Economic Education*, 9 (2), 96-101.
- Beringer, J. (2007). "Application of Problem Based Learning through Research Investigation". *Journal of Geography in Higher Education*, 31 (3), 445-457.
- Beveridge, A. & Archer, J. (2007). "Motivational implications of problem-based learning for the preparation of social workers". In: P. L. Jeffrey (ed.), *AARE 2006 International education research conference: Adelaide: papers collection: (Conference of the Australian Association for Research in Education, 27-30 November 2006)*. Melbourne: Australian Association for Research in Education.
- Birtwistle, G. (1998), "Entrepreneurial and networking skills learned through problem-based teaching methods". *Capability*, 3 (3), 16-21.
- Bjorck, U. (2002). "Distributed problem-based learning in social economy: key issues in students' mastery of a structured method for education". *Distance Education*, 23 (1), 85-103.
- Blundenm, A. (1990). "Problem-based learning and its application to in-house law firm training". *Journal of Professional Legal Education*, 8 (2), 115-118.
- Bradbeer, J. (1996). "Problem-based learning and fieldwork: a better method of preparation". *Journal of Geography in Higher Education*, 20 (1), 11-18.
- Brickell, G. & Herrington, J. (2006). "Scaffolding learners in authentic problem-based e-learning environments: the Geography Challenge". *Australasian Journal of Educational Technology*, 22 (4), 531-547.
- Brickner, D. R. & McCombs, G. B. (2004). "Teaching the Indirect Method of the Statement of Cash Flows in Introductory Financial Accounting: A Comprehensive, Problem-Based Approach". *Journal of Education for Business*, 80 (1), 41-46.
- Bridges, E. M. (1992). *Problem Based Learning for Administrators*. Eugene, OR: ERIC Clearinghouse on Educational Management.
- Bridges, E. M. & Hallinger, P. (1996). "Problem-Based Learning in Leadership Education". *New Directions for Teaching and Learning*, 68, 53-61.

- Bridges, E. M. & Hallinger, P. (1995). *Implementing problem based learning in leadership development*. Eugene, OR: ERIC Clearinghouse on Educational Management, University of Oregon. [Available online at: [http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content\\_storage\\_01/0000019b/80/29/b6/bc.pdf](http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/29/b6/bc.pdf); accessed 4/1/2008].
- Burton, K. (2006). "The trial of an audience response system to facilitate problem-based learning in legal education". In: D. A. Banks (ed.), *Audience response systems in higher education: applications and cases*, pp. 265-275. Hershey, Pa: Information Science Publishing.
- Chapman, D. W. (2002). "Words That Make a Difference: Problem-Based Learning in Communication Arts Courses". *Journal of General Education*, 51 (4), 257-271.
- Chapman, D. W. (1999). "Real worlds, real words: a PBL course in communication arts". In: J. Conway; D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 5, 1999: PBL: a way forward*, pp. 56-61. Callaghan NSW: Australian Problem Based Learning Network, 1999.
- Chen, I. & Lai, P. (1997). "Problem based learning in fashion retailing". In: J. Conway; D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 4, 1998: PBL: a way forward*, pp. 48-53. Callaghan NSW: Australian Problem Based Learning Network.
- Chernobilsky, E.; DaCosta, M. C.; Hmelo-Silver, C. E. (2004). "Learning to Talk the Educational Psychology Talk through a Problem-Based Course". *Instructional Science An International Journal of Learning and Cognition*, 32 (4), 319-356.
- Claessens, M.; De Graaff, E.; Jochems, W. & Cowdroy, R. (1995). "Student evaluation of a problem based course in architecture". In: P. Little; M. Ostwald & G. Ryan (eds.), *Research and development in problem based learning: volume 3, 1995: Assessment and evaluation*, pp. 67-78. Sydney: Australian Problem Based Learning Network.
- Cockerill, S. (1996). "The international management of change: a problem-based learning/case study approach". *Education and Training*, 38 (2), 14-17.
- Colby, K. K.; et al. (1986). "Problem-Based Learning of Social Sciences and Humanities by Fourth-Year Medical Students". *Journal of Medical Education*, 61 (5), 413-15.
- Connor-Greene, P. A. (2002). "Problem-Based Service Learning: The Evolution of a Team Project". *Teaching of Psychology*, 29 (3), 193-197.
- Courvisanos, J. (1985). "A problems approach to the study of economics". In: D. Boud (ed.), *Problem based learning in education for the professions*, pp. 121-134. Kensington NSW: Higher Education Research and Development Society of Australasia.
- Cowdroy, R. M. (1989). "Application of management principles leading to integrated problem- based learning courses in architecture". In: B. Wallis (ed.), *Problem based learning, the Newcastle Workshop: papers and reports from the four day Problem Based Learning Workshop held as part of the conference, 'Ten years of innovative medical education 1978-1988' 30 August - 16 September 1988*, pp. 81-89. Callaghan, NSW: University of Newcastle, Faculty of Medicine.
- Cunningham, W. G. & Cordeiro, P. A. (2006), *Educational leadership: a problem-based approach*, 3<sup>rd</sup> edition. Boston; London: Pearson/Allyn and Bacon.
- Dahlgren, M. A. (2003). "PBL through the looking-glass: comparing applications in computer engineering, psychology and physiotherapy". *International Journal of Engineering Education* 19 (5), 672-681.
- Dahlgren, M. A. & Dahlgren, L. O. (2002). "Portraits of PBL: Students' Experiences of the Characteristics of Problem-Based Learning in Physiotherapy, Computer Engineering and Psychology". *Instructional Science*, 30 (2), 111-127.
- Davey, B. & Tatnall, A. (1994). "Problem solving and management information systems". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 41-50. Sydney: Australian Problem Based Learning Network.

- De Graaff, E. & Cowdroy, R. (1995). "Theory and practice of educational innovation: a case study on the introduction in problem-based learning in architecture". In: P. Little, M. Ostwald & G. Ryan (eds.), *Research and development in problem based learning: volume 3, 1995: Assessment and evaluation*, pp. 125-136. Sydney: Australian Problem Based Learning Network.
- De Graaff, E. & Westrik, J. (1994). "Innovation and adaptation: searching for the balance between PBL and the traditions of design education". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 51-59. Sydney: Australian Problem Based Learning Network.
- Dimitroff, A.; Ancona, A. M.; Beman, S. B.; Dodge, A. M.; Hutchinson, K. L.; LaBonte, M. J.; Mays, T. L. & Simon, D. T. (1998). "Problem-based learning in a health sciences librarianship course". *Bulletin of the Medical Library Association*, 86 (3), 340-345.
- Donaldson, R. (1989). "A good start in architecture". In: B Wallis (ed.), *Problem based learning, the Newcastle Workshop: papers and reports from the four day Problem Based Learning Workshop held as part of the conference, 'Ten years of innovative medical education 1978-1988' 30 August - 16 September 1988*, pp. 41-53. Callaghan NSW: University of Newcastle, Faculty of Medicine.
- Donnelly, R. (2006). "Blended problem-based learning for teacher education: Lessons learnt". *Learning, Media and Technology*, 31 (2), 93-116.
- Drennon, C. (2005). "Teaching Geographic Information Systems in a Problem-Based Learning Environment". *Journal of Geography in Higher Education*, 29 (3), 385-402.
- Driessen, E. & van der Vleuten, C. (2000). "Matching Student Assessment to Problem-based Learning: Lessons from Experience in a Law Faculty". *Studies in Continuing Education*, 22 (2), 235-248.
- Edelbring, S.; Fors, U. & Saether, B. (2004). "SvalSim: field work simulation system for problem-oriented learning in petroleum geology". *CAL-laborate*, 12, 9-11.
- English, B.; Gaha, J. & Gibbons, J. (1994). "Preparing social workers for an uncertain future". In: S. E. Chen; R. M. Cowdroy; A. J. Kingsland & M. J. Ostwald (eds.), *Reflections on problem based learning*, pp. 279-296. Sydney: Australian Problem Based Learning Network.
- Farley, J.; Erickson, J. D. & Daly, H. E. (2005). *Ecological economics: a workbook for problem-based learning*. Washington; London: Island Press.
- Foreman, M. (2007). "Peer Assessment of Problem Based Learning—Fostering Reflective Practice in Social Work Students". In: G. O'Neill; S. Huntley-Moore & P. Race (eds.), *Case Studies of Good Practices in Assessment of Student Learning in Higher Education [AISHE Readings 2007.1]*, pp. 120- 128. Dublin: All Ireland Society for Higher Education. [Available online at: <http://www.aishe.org/readings/2007-1/aishe-readings-2007-1.pdf>; accessed 7/1/2008].
- Fosmire, M. & Macklin, A. (2002). "Riding the Active Learning Wave: Problem-Based Learning as a Catalyst for Creating Faculty-Librarian Instructional Partnerships". *Issues in Science and Technology Librarianship*, 34. [Available online at: <http://www.istl.org/02-spring/article2.html>; accessed 4/1/2008].
- Fournier, E. J. (1999). "PBL and world regional geography: active learning in an introductory-level class". In: J. Conway; D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 5, 1999: PBL: a way forward*, pp. 98-104. Callaghan, NSW: Australian Problem Based Learning Network.
- Fournier, E. J. (2002). "World Regional Geography and Problem-Based Learning: Using Collaborative Learning Groups in an Introductory-Level Geography Course". *Journal of General Education*, 51 (4), 293-305.
- Gerdes, D. & de Haven, M. (2001). "PBL professional development for a secondary program in international studies". In: P. Little; T. O. Seng; P. Kandlbinder; A. Williams; K. Cleary & J. Conway (eds.), *Proceedings of the 3rd Asia Pacific conference on problem based learning: experience, empowerment and evidence*, pp. 129-140. Callaghan, NSW: Australian Problem Based Network.
- Gerdes, D. & Lewis, K. (1999). "A shared problem-based learning experience: using nothing but the truth to build literacy skills". In: J. Conway; D. Melville & A. Williams (ed.), *Research and development in problem based learning: volume 5, 1999: PBL: a way forward*, pp. 105-106. Callaghan, NSW: Australian Problem Based Learning Network.

- Gibson, I. W. & Gibson, K. L. (1995). "A window into the rural classroom: interactive television and problem-based activity in Australian pre-service teacher education". *Journal of Information Technology for Teacher Education*, 4 (2), 217-226.
- Gijselaers, W.; et al. (eds.) (1995). *Educational innovation in economics and business administration: the case of problem-based learning*. Dordrecht: Kluwer Academic Publishers.
- Gulsecen, S. & Kubat, A. (2006). "Teaching ICT to teacher candidates using PBL: A qualitative and quantitative evaluation". *Educational Technology & Society*, 9 (2), 96-106.
- Hallinger, P.; Bridges, E. M. & Snidvongs, K. (2007). *A problem-based approach for management education: preparing managers for action*. Dordrecht: Springer.
- Hansen, J. D. (2006). "Using Problem-Based Learning in Accounting". *Journal of Education for Business*, 81 (4), 221-224.
- Hays, J. R. & Vincent, J. P. (2004). "Students' evaluation of problem-based learning in graduate psychology courses". *Teaching of Psychology*, 31 (2), 124-126.
- Hendrix, K. H.; Gilbert, G. E.; Kozlowski, L.; Bradley, E.; Austin, L. & Valois, R. F. (2002). "The Impact of Teacher Training on Utilization of Problem-Based Learning in Classroom Health Education". *American Journal of Health Education*, 33 (5), 258-264.
- Heycox, K. & Bolzan, N. (1991). "Applying problem-based learning in first-year social work". In: D. Boud & G. Feletti (eds.), *The challenge of problem based learning*, pp. 186-193. London: Kogan Page.
- Higgs, B. (2005). "The Evolution from Problem Solving to Problem-based Learning: A Case Study of Earth Sciences at University College Cork". In: T. Barrett, I. Mac Labhrainn & H. Fallon (eds.), *Handbook of enquiry and problem-based Learning: Irish case studies and international perspectives*, pp. 37-43. Galway; Dublin: Center for Excellence in Learning and teaching, NUI Galway; All Ireland Society for Higher Education (AISHE). [Available online at: <http://www.aishe.org/readings/2005-2/chapter4.pdf>; accessed 4/1/2008].
- Huey, D. (2001). "The potential utility of problem-based learning in the education of clinical psychologists and others". *Education for Health*, 14 (1), 11-19.
- Hunter, M. (1989). "A problem-based training course in clinical psychology". In: B. Wallis (ed.), *Problem based learning, the Newcastle Workshop: papers and reports from the four day Problem Based Learning Workshop held as part of the conference, 'Ten years of innovative medical education 1978-1988' 30 August - 16 September 1988*, pp. 55-61. Callaghan NSW: University of Newcastle, Faculty of Medicine.
- Johnston, C. G.; James, R. H.; Lye, J. N. & McDonald, I. M. (2000). "An Evaluation of the Introduction of Collaborative Problem Solving for Learning Economics". *Journal of Economic Education*, 31 (1), 13-29.
- Kang, I. (1997). "Discontinuity for creation: a case study of a corporate training program in PBL in Korea". In: J. Conway, D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 4, 1998: PBL: a way forward*, pp. 205-221. Callaghan NSW: Australian Problem Based Learning Network.
- Kapp, K. M.; Phillips, T. L. & Wanner, J. H. (2002). "A Problem-Based Learning Model for Teaching the Instructional Design Business Acquisition Process". *Performance Improvement Quarterly*, 15 (1), 25-46.
- Kelly, D. & Davey, B. (1994). "Business problems". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 79-83. Sydney: Australian Problem Based Learning Network.
- Keyzer, P. (1995). "Do law students benefit from specific training in problem-solving skills?" In: P. Little, M. Ostwald & G. Ryan (eds.), *Research and development in problem based learning: volume 3, 1995: Assessment and evaluation*, pp. 275-286. Sydney: Australian Problem Based Learning Network.
- Kingsland, A. (1999). "Integrated problem based learning for design education: beyond simulation and mentoring". *Design and Education*, 7 (3), 17-26.

- Kohle, K.; Obliers, R.; Koerfer, A.; Antepohl, W. & Thomas, W. (1999). "Problem-based teaching and learning. An opportunity for medical psychology, psychosomatic medicine and psychotherapy as well." *Psychotherapie Psychosomatik Medizinische Psychologie*, 49 (5), 171-175.
- Kollner, V; Gahn, G; Kallert, T; Felber, W; Reichmann, H; Dieter, P; Nitsche, I & Joraschky, P. (2003). "Teaching of psychosomatic medicine and psychotherapy as an element of the Dresden DIPOL-curriculum the PBL-course nervous system and psyche". *Psychotherapie Psychosomatik Medizinische Psychologie*, 53 (2), 47-55.
- Korawali, K. M. (1999). "Learning environment hindrances to creativity of students studying architecture". In: J. Conway, D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 5, 1999: PBL: a way forward*, pp. 144-152. Callaghan NSW: Australian Problem Based Learning Network.
- Lam, D. O. B.; Wong, D. K. P.; Hui, H. S. K.; Lee, F. W. L. & Chan, E. K. L. (2006). "Preparing social workers to be lifelong learners: Use of problem-based learning as a training component in the social work curriculum". *Journal of Teaching in Social Work*, 26 (3-4), 103-119.
- Lam, D. (2004). "Problem-based learning: An integration of theory and field". *Journal of Social Work Education*, 40 (3), 371-389.
- Lau, E. (2001). "Exploring problem-based learning for the study of building contract procedures". In: P. Little; T. O. Seng; P. Kandlbinder; A. Williams; K. Cleary & J. Conway (eds.), *Proceedings of the 3rd Asia Pacific conference on problem based learning: experience, empowerment and evidence*, pp. 232-243. Callaghan NSW: Australian Problem Based Network.
- Levin, B. B. (ed.) (2001). *Energizing Teacher Education and Professional Development with Problem-Based Learning*. Alexandria, VA: Association for Supervision and Curriculum Development.
- Levy, P.; Bacigalupo, R.; Bath, P.; Eaglestone, B.; Booth, A.; Diercks-O'Brien, G.; Procter, P. & Sanderson, M. (2002). *Collaborative, problem-based learning on-line: a multimedia case study approach*. Networked Learning 2002. Proceedings of the Third International Conference on Networked Learning. 26-28 March, 2002. Sheffield UK. Lancaster University and University of Sheffield. [Available online at: <http://www.networkedlearningconference.org.uk/past/nlc2002/proceedings/papers/20.htm>; accessed 3/1/2008].
- Little, S. E. (1994). "Approaching problem oriented learning through simulation: an initiative in business systems analysis". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 85-99. Sydney: Australian Problem Based Learning Network.
- Ma, J. (1994). "Problem-based learning and students' approaches in information systems". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 101-110. Sydney: Australian Problem Based Learning Network.
- Macfarlane, J. & Manwaring, J. (1998). "Using problem-based learning to teach first year contracts". *Journal of Professional Legal Education*, 16 (2), 271-298.
- Mackinlay, E.; Thatcher, K. & Seldon, C. (2004). "Understanding social and legal justice issues for Aboriginal women with the context of an Indigenous Australian studies classroom: a problem-based learning approach". *Australian Journal of Indigenous Education*, 33, 23-30.
- Maitland, B. (1991). "Problem-based learning for an architecture degree". In: D. Boud & G. Feletti (eds.), *The challenge of problem based learning*, pp. 203-210. London: Kogan Page.
- Maitland, B. (1985). "A problem based architecture course". In: D. Boud (ed.), *Problem based learning in education for the professions*, pp. 163-167. Kensington, NSW: Higher Education Research and Development Society of Australasia.
- Mak, M. Y.; McGeorge, W. D. & Chen, S. E. (1994). "Application of problem based learning in teaching quantity surveying". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 111-116. Sydney: Australian Problem Based Learning Network.
- Martin, F. (2003-4). "Teaching legal problem solving: a problem-based learning approach combined with a computerised generic problem". *Legal Education Review*, 14 (1), 77-92.

- Martin, F. (1995). "Using continuous assessment together with a problem based learning approach to encourage student learning of taxation law". In: P. Little; M. Ostwald & G Ryan (eds.), *Research and development in problem based learning: volume 3, 1995: Assessment and evaluation*, pp. 347-360. Sydney: Australian Problem Based Learning Network.
- Maxwell, N. L.; Mergendoller, J. R. & Bellisimo, Y. (2005). "Problem-based learning and high school macroeconomics: A comparative study of instructional methods". *Journal of Economic Education*, 36 (4), 315-331.
- McAlpine, I. & Dudley, N. (2001). "Teaching Soils Online Using a Problem-Based Learning Design". In: G. Kennedy; M. Keppell; C. McNaught & T. Petrovic (eds.), *Meeting at the Crossroads*. Short Paper Proceedings of the 18th Annual Conference of the Australian Society for Computers in Learning in Tertiary Education, pp. 387-396. Melbourne: Biomedical Multimedia Unit, The University of Melbourne. [Available online at: <http://www.ascilite.org.au/conferences/melbourne01/pdf/papers/mcalpinei.pdf>; accessed 4/1/2008].
- McLinden, M.; McCall, S.; Hinton, D. & Weston, A. (2006). "Participation in online problem-based learning: insights from postgraduate teachers studying through open and distance education". *Distance Education*, 27 (3), 331-353.
- McWilliams, A.; Henderson, F. (2006). "A problem based learning (PBL) approach to lectures in a large first-year business subject". In: *Educate advocate empower: conference proceedings*. Sandy Bay, Tas.: Conference Design Pty Ltd.
- Mergendoller, J. R.; Maxwell, N. L. & Bellisimo, Y. (2000). "Comparing problem-based learning and traditional instruction in high school economics". *Journal of Educational Research*, 93 (6), 374-382.
- Monk-Tutor, M. R. (2001). "Development of a problem-based learning course in human resources management". *American Journal of Pharmaceutical Education*, 65 (1), 64-73.
- Morse, A. & Mankelov, G. (1997). "A problem based learning approach to business management and professional practice in graphic design: a case study". In: J. Conway; D. Melville & A. Williams, *Research and development in problem based learning: volume 4, 1998: PBL: a way forward*, pp. 419-427. Callaghan NSW: Australian Problem Based Learning Network.
- Moskovitz, M. (1992). "Beyond the Case Method: It's Time to Teach with Problems". *Journal of Legal Education*, 42 (2), 241-270.
- Moxham, L. J. & Pegg, S. A. (1997), "A structured learning experience: major mental disorder schizophrenia". In: J. Conway; D. Melville & A. Williams, *Research and development in problem based learning: volume 4, 1998: PBL: a way forward*, pp. 428-433. Callaghan NSW: Australian Problem Based Learning Network.
- Moye, V. H. & Howard, D. L. (1998). *Problem-based learning in social studies: cues to culture and change*. Arlington Heights, IL: SkyLight Training.
- Munro, K. (2006). "Modified problem-based library instruction: A simple, reusable instruction design". *College and Undergraduate Libraries*, 13 (3), 53-61.
- Murray, H. R. & Slee, P. (2000). *Problem based learning in teacher education: just the beginning!* Paper presented at the annual conference of the Australian Association for Research in Education Sydney Australia 4-6 December 2000. Melbourne: Australian Association for Research in Education, 2000. [Available online at: <http://www.aare.edu.au/00pap/mur00178.htm>; accessed 4/1/2008].
- Nagarajan, V. (2002). "Designing learning strategies for competition law: finding a place for context and problem based learning". *Legal Education Review*, 13 (1), 1-19.
- Nathanson, S. (1994). "Developing Legal Problem-Solving Skills". *Journal of Legal Education*, 44 (2), 215-231.
- Nathanson, S. (1996). "Changing culture to teach problem-solving skills". *Journal of Professional Legal Education*, 14 (2), 143-158.
- Nuy, H. J. P. & Moust, J. H. C. (1990), "Students and problem-based learning: how well do they fit in?" *Journal of Professional Legal Education*, 8 (2), 97-114.

- Ochoa, T. A.; Kelly, M. L.; Stuart, S. & Rogers-Adkinson, D. (2004). "The Impact of PBL Technology on the Preparation of Teachers of English Language Learners". *Journal of Special Education Technology*, 19 (3), 35-46.
- Qiang, F. & Hubble, T. (2004). "Teaching petroleum geology in third year using problem based learning". *China Papers*, 3, 84-87.
- O'Reilly, D., Weaver, N. & Caddick, M. (1999). "Developing and delivering a tutor training programme for problem based learning: a case study in architecture". In J. Conway; D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 5, 1999: PBL: a way forward*, pp. 194-202. Callaghan NSW: Australian Problem Based Learning Network.
- Pelikan, M. (2004). "Problem-based learning in the library: evolving a realistic approach". *Portal: Libraries and the Academy*, 4 (4), 509-520.
- Reynolds, F. (1997). "Studying psychology at degree level: would problem-based learning enhance students experiences?" *Studies in Higher Education*, 22 (3), 263-275.
- Riis, J. O. (2001). "Stimulating Manufacturing Excellence through University-Industry Interaction. Problem-based Learning at Aalborg University, Denmark". *Industry and Higher Education*, 15 (6), 385-392.
- Ross, S. M. & Hurlbert, J. M. (2004). "Problem-based learning: An exercise on Vermont's Legalization of Civil Unions". *Teaching Sociology*, 32 (1), 79-93.
- Satterthwaite, R. K.; Helms, M. E.; Nouravarsani, R.; Vanantwerp, M. & Woelfl, N. N. (1995). "Library Faculty Role in Problem-Based Learning – Facilitating Small-Groups". *Bulletin of the Medical Library Association*, 83 (4), 465-468.
- Sharp, D. C. (2003). "Problem-Based Learning in an MBA Economics Course: Confessions of a First-Time User". *New Directions for Teaching and Learning*, 95, 45-51.
- Shannon, S. & Brine, J. (1994). "Consolidating professional skills and developing the confidence of graduating architects". In: S. E. Chen; R. M. Cowdroy; A. J. Kingsland & M. J. Oswald (eds.), *Reflections on problem based learning*, pp. 201-217. Sydney: Australian Problem Based Learning Network.
- Smith, B. (1985). "Problem based learning: the social work experience". In: D. Boud (ed.), *Problem based learning in education for the professions*, pp. 109-119. Kensington, NSW: Higher Education Research and Development Society of Australasia.
- Snepvangers, K. & McAlpine, I. (2006) "Student learning processes using an online PBL module in an art and design education course". In: L. Markauskaite; P. Goodyear & P. Reimann (eds.), *Who's learning? Whose technology?: proceedings of the 23rd annual conference of the Australasian Society for Computers in Learning in Tertiary Education, 3-6 December 2006, the University of Sydney, Sydney, Australia*, pp. 779-788. Sydney: Sydney University Press.
- Son, B. & Van Sickle, R. L. (1993). Problem-Solving Instruction and Students' *Acquisition, Retention and Structuring of Economics Knowledge*. Paper presented at the Annual Meeting of the American Educational Research Association (Atlanta, GA, April 12-16, 1993), April 1993. [Available online at: [http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content\\_storage\\_01/0000019b/80/15/45/23.pdf](http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/15/45/23.pdf); accessed 4/1/2008].
- Spronken-Smith, R. (2005). "Implementing a problem-based learning approach for teaching research methods in geography". *Journal of Geography in Higher Education*, 29 (2), 203-221.
- Stern, P. (1997). "Student perceptions of a problem-based learning course". *American Journal of Occupational Therapy*, 51 (7), 589-596.
- Stinson, J. E. & Milter, R. G. (1996). "Problem-Based Learning in Business Education: Curriculum Design and Implementation Issues". *New Directions for Teaching and Learning*, 68, 33-42.

- Szabo, A. B. (1994). "Changing the way we educate law students: problem based learning". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 261-284. Sydney: Australian Problem Based Learning Network.
- Szabo, A. B. (1993). "Teaching substantive law through problem based learning in Hong Kong". *Journal of Professional Legal Education*, 11 (2), 195-210.
- Thomas, I. (1994), "Problem based learning and environmental education: an example". In: M. Ostwald & A. Kingsland (eds.), *Research and Development in Problem Based Learning: volume 2, 1994: Reflection and consolidation*, pp. 285-305. Sydney: Australian Problem Based Learning Network.
- Tremblay, M.; Tryssenaar, J. & Jung, B. (2001). "Problem-based learning in occupational therapy: why do health professionals choose to tutor?" *Medical Teacher*, 23 (6), 561-566.
- van Rooij, S. W. (2007). "WebMail Versus WebApp: Comparing Problem-Based Learning Methods in a Business Research Methods Course". *Journal of Interactive Learning Research*, 18 (4), 555-569.
- Vialle, W.; Lockyer, L. & Knapp, L. (2003). "A problem-based learning approach to professional development for teachers of the gifted". *Australasian Journal of Gifted Education*, 12 (2), 41-50.
- Wellington, T.; Thomas, I.; Powell, I. & Brown, P. J. (1997), "Product development for industry motivates engineering and business students in cooperative projects". In: J. Conway; D. Melville & A. Williams (eds.), *Research and development in problem based learning: volume 4, 1998: PBL: a way forward*, pp. 633-649. Callaghan NSW: Australian Problem Based Learning Network.
- Westrik, J. & De Graaff, E. (1994). "Development and management of the new PBL-based curriculum in architecture". In: S. E. Chen; R. M. Cowdroy; A. J. Kingsland & M. J. Ostwald (eds.), *Reflections on problem based learning*, pp. 189-199. Sydney: Australian Problem Based Learning Network.
- Whelan, K. S.; Woolley, T. W. & Marshall, J. B. (1999). "Introductory business statistics: an experiment with problem-based learning.. In 'Themes and variations in PBL' edited by J Conway and A Williams, pages 239-255. Sydney : Australian Problem Based Learning Network, 1999, ISBN: 0-7259-1068-2.
- Willis, S. A. (2002). "Problem-Based Learning in a General Psychology Course". *Journal of General Education*, 51 (4), 282-291.
- Wong, D. K. P. & Lam, D. O. B. (2007). "Problem-based learning in social work: A study of student learning outcomes". *Research on Social Work Practice*, 17 (1), 55-65.
- Winsor, K. (1991). "Applying the ideas of problem-based learning to teaching the practice of law". In: D. Boud & G. Feletti (eds.), *The challenge of problem based learning*. London: Kogan Page.
- Winsor, K. (1989). "Toe in the bathwater: testing the temperature with problem based learning". *Journal of Professional Legal Education*, 7 (1), 1-21.
- Yates, W. R. & Gerdes, T. T. (1996). "Problem-based learning in consultation psychiatry". *General Hospital Psychiatry*, 18 (3), 139-144.
- Yeo, R. K. (2007). "Problem-based learning: a viable approach in leadership development?" *Journal of Management Development*, 26 (9), 874-894.
- Yip, W. & Ghafarian, A. (2002). *Problem-Based Learning Assessment for Information Systems Courses*. Proceedings of the International Academy for Information Management Annual Conference (15th, Brisbane, Australia, December 6-10, 2000). [Available online at: [http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content\\_storage\\_01/0000019b/80/1a/ca/a5.pdf](http://www.eric.ed.gov/ERICDocs/data/ericdocs2sql/content_storage_01/0000019b/80/1a/ca/a5.pdf); accessed 4/1/2008].
- Yuen, E. N. (1997). "PBL: a tool of concept learning in design education". In: J. Conway; D. Melville & A. Williams (eds.), *Research and development in problem based learning : volume 4, 1998: PBL: a way forward*, pp. 683-691. Callaghan, NSW: Australian Problem Based Learning Network.

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