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— REFERENCES —

- Beers, P. J., Boshuizen, P. A., Kirschner, P. A., & Gijselaers, W. H. (2005). Computer support for knowledge construction in collaborative learning environments. *Computers in Human Behavior*, 21(4), 623-643. doi: 10.1016/j.chb.2004.10.036
- Biggs, J. (2001). The reflective institution: Assuring and enhancing the quality of teaching and learning. *Higher Education*, 41(3), 221-238. doi: 10.1023/A:1004181331049
- Boekaerts, M., & Minnaert, A. (2006). Affective and motivational outcomes of working in collaborative groups. *Educational Psychology*, 26(2), 187-208. doi: 10.1080/01443410500344217
- Bolhuis, S., & Voeten, M. (2004). Teachers' conceptions of student learning and own learning. *Teacher and Teaching: Theory and Practice*, 10(1), 77-98. doi: 10.1080/13540600320000170936
- Bowman, N. A. (2010). Can 1st year college students accurately report their learning and development? *American Educational Research Journal*, 47(2), 466-496. doi: 10.3102/0002831209353595
- Brindley, J. E., Blaschke, L. M., and Walti, C. (2009). Creating effective collaborative learning groups in an online environment. *International Review of Research in Open and Distance Learning*, 10(3). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/675>, December 7, 2015.
- Brown, A. L. (1992). Design experiments: theoretical and methodological challenges in creating complex interventions in classroom settings. *The journal of the learning sciences*, 2(2), 141-178. doi:10.1207/s15327809jls0202_2
- Brown, C. A., & McIlroy, K. (2011). Group work in healthcare students' education: What do we think we are doing? *Assessment & Evaluation in Higher Education*, 36(6), 687-699. doi: 10.1080/02602938.2010.483275
- Chiriac, E. H., & Gronström, K. (2012). Teachers' leadership and students' experience of group work. *Teachers and Teaching: theory and practice*, 18(3), 345-363. doi: 10.1080/13540602.2012.629842
- Cobb, P., diSessa, A., Lehrer, R., & Schauble, L. (2003). Design experiments in educational research. *Educational Researcher*, 32(1), 9-13. doi: 10.3102/0013189X032001009
- Cochran-Smith, M., & Zeichner, M. (2005). *Studying teacher education. The Report of the AERA Panel on research and teacher education*. Washington: AERA & Lawrence Erlbaum Associates.
- Cohen, E. G. (1994). Restructuring the classroom: Conditions for productive small groups. *Review of Educational Research*, 64(1), 1-35. doi: 10.3102/00346543064001001
- Cohen, R & Zach, S. (2012). Building preservice teacher efficacy: A comparison of instructional models. *Physical Education and Sport Pedagogy*, 18(4), 376-388. doi: 10.1080/17408989.2012.690374
- De Hei, M. S. A., Strijbos, J. W., Sjoer, E., & Admiraal, W. F. (2015). Collaborative learning in higher education: Lecturers' practices and beliefs. *Research Papers in Education*, 30(2), 232-247. doi: 10.1080/02671522.2014.208407
- De Hei, M. S. A., Strijbos, J. W., Sjoer, E., & Admiraal, W. F. (2016). Thematic review of approaches to design group learning activities in higher education: The development of a comprehensive framework. *Educational Research Review*, 18, 33-45. doi: 10.1016/j.edurev.2016.01.001
- Dennen, V. P., & Hoadley, C. (2013). Designing collaborative learning through computer support. In C. E Hmelo-Silver, C. A. Chinn, C. K. K. Chan & A. O'Donnell (Eds.), *The international handbook of collaborative learning* (pp. 389-402). New York: Routledge.

- Dillenbourg P. (1999) What do you mean by collaborative learning? In P. Dillenbourg (Ed) *Collaborative-learning: Cognitive and Computational Approaches.* (pp.1-19). Oxford: Elsevier.
- Dillenbourg, P. (2002). Over-scripting CSCL: The risks of blending collaborative learning with instructional design. In P. A. Kirschner (Ed.), *Three worlds of CSCL. Can we support CSCL?* (pp. 61-91). Heerlen, the Netherlands: Open Universiteit Nederland.
- Dillenbourg, P. (2013). Design for classroom orchestration. *Computers and Education*, 69, 485-492. doi: 10.1016/j.compedu.2013.04.013
- Dobber, M., Akkerman, S., Verloop, N., Admiraal, W., & Vermunt, J. (2012). Developing designs for community development in four types of student teacher groups. *Learning Environments Research*, 15(3), 279-297. doi: 10.1007/s10984-012-9116-4
- Donche, V., Vanhoof, J. & Van Petegem, P. (2003). Beliefs about learning environments: *How do student teachers think, reflect and act concerning self-regulated and cooperative learning in Flanders.* Paper presented at the American Educational Research Association Conference, Chicago, USA.
- Donche, V., & Van Petegem, P. (2011). Teacher educators' conceptions of learning to teach and related teaching strategies. *Research Papers in Education*, 26(2), 207-222. doi: 10.1080/02671522.2014.989176
- Evans, C., & Kozhevnikova, M. (2011). Styles of practice: How learning is affected by students' and teachers' perceptions and beliefs, conceptions and approaches to learning. *Research Papers in Education*, 26(2), 133-148. doi:10.1080/2f02671522.2011.561973
- Ferreira, M., Cardoso, A. P., & Abrantes, L. (2011). Motivation and relationship of the student with the school as factors involved in the perceived learning. *Procedia - Social and Behavioral Sciences*, 29, 1707-1714. doi: 10.1016/j.sbspro.2011.11.416
- Figueira, A. I., and Duartes, A. M. (2011). Increasing the quality of learning through changes in motivation. *Procedia - Social and Behavioral Sciences*, 29, 1373-1379. doi: 10.1016/j.sbspro.2011.11.376
- Fransen, J., Kirschner, P., & Erkens, G. (2011). Mediating team effectiveness in the context of collaborative learning: The importance of team and task awareness. *Computers in Human Behaviour*, 27(3), 1103-1113. doi: 10.1016/j.chb.2010.05.017
- Frykedaal, K. F., & Chiriac, E. H. (2011). Assessment of students' learning when working in groups. *Educational Research*, 53(2), 331-345. doi: 10.1080/00131881.2011.598661
- Gillies, R. M., & Ashman, A. F. (2003). *Co-operative learning: The social and intellectual outcomes of learning in groups.* New York: Routledge.
- Gillies, R. M., Ashman, A. F., & Terwel, J. (2008). *The teacher's role in implementing cooperative learning in the classroom.* New York: Springer.
- Gillies, R. M., & Boyle, M. (2010). Teachers' reflections on cooperative learning: Issues of implementation. *Teaching and Teacher Education*, 26(.), 933-940. doi: 10.1016/j.tate.2009.10.034
- Gomez, E. A., Wu, D., & Passerini, K. (2010). Computer-supported team-based learning: The impact of motivation, enjoyment and team contributions on learning outcomes. *Computers & Education*, 55(1), 378-390. doi: 10.1016/j.compedu.2010.02.003
- Goodyear, P., Dimitriou, Y., & Retalis, S. (2009). Using e-learning patterns to augment learners' experiences. *Computers in Human Behaviour*, 25(5), 997-998. doi: 10.1016/j.chb.2009.02.001

- Gros, B. (2001). Instructional design for computer-supported collaborative learning in primary and secondary school. *Computers in Human Behavior*, 17(5-6), 439-451. doi: 10.1016/S0747-5632(01)00016-4
- Hämäläinen, R., & Vähäsantanen, K. (2011). Theoretical and pedagogical perspectives on orchestrating creativity and collaborative learning. *Educational Research Review*, 6(3), 169-184. doi: 10.1016/j.edurev.2011.08.001
- Hayes, A. F., & Preacher, K. J. (2014). Statistical mediation analysis with a multicategorical independent variable. *British Journal of Mathematical and Statistical Psychology*, 67(3), 451-470. doi: 10.1111/bmsp.12028
- Hmelo-Silver, C. E. (2004). Problem-based learning: What and how do students learn? *Educational Psychology Review*, 16(3), 235-266. doi: 1040-726X/04/0900-0235/0
- Hutchings, P. (2010). The scholarship of teaching and learning: From idea to integration. *New Directions for Teaching and Learning*, 123, 63-72. doi: 10.1002/tl.410
- Isotani, S., Mizoguchi, R., Inaba, A., & Ikeda, M. (2010). The foundations of a theory-aware authoring tool for CSCL design. *Computers & Education*, 54(4), 809-834. doi: <http://dx.doi.org/10.1016/j.compedu.2009.09.010>
- Janssen, J. (2014). *Opening the black box of collaborative learning: A meta-analysis investigating the antecedents and consequences of collaborative interaction*. Report (no. 411-II-632) commissioned by NWO-PROO and NRO. Utrecht: University of Utrecht.
- Järvelä, S., Volet, S., & Järvenoja, H. (2010). Research on motivation in collaborative learning: Moving beyond the cognitive-situative divide and combining individual and social processes. *Educational Psychologist*, 45(1), 15-27. doi: 10.1080/00461520903433539
- Johnson, D. W., & Johnson R. T. (1994). *Together and alone: Cooperative, competitive and individualistic learning*. Needham Heights, MA: Allyn & Bacon.
- Johnson, D. W., & Johnson R. T. (2003). Student motivation in co-operative groups: Social interdependence theory. In R. M. Gillies & A. F. Ashman (Eds.), *Co-operative learning: The social and intellectual outcomes of learning in groups* (pp. 9-36). New York: Routledge.
- Johnson, D. W., & Johnson, R. T. (2009a). An educational psychology success story: Social interdependence theory and cooperative learning. *Educational Researcher*, 38(5), 365-379. doi: 10.3102/0013189X09339057
- Johnson, D. W., & Johnson, R. T. (2009b). Energizing learning: The instructional power of conflict. *Educational Researcher*, 38(1), 37-51. doi: 10.3102/0013189X08330540
- Kirschner, P. A., Martens, R. L., & Strijbos, J. W. (2004). CSCL in higher education. In J. W. Strijbos, P. A. Kirschner & R. L. Martens (Eds.), *What we know about CSCL and implementing it in higher education* (pp.3-30). Dordrecht, the Netherlands: Kluwer Academic Publishers.
- Kirschner, F., Paas, F., Kirschner, P. A., & Janssen, J. (2011). Differential effects of problem-solving demands on individual and collaborative learning outcomes. *Learning and instruction*, 21(4), 587-599. doi:10.1016/j.learninstruc.2011.01.001
- Kluth, P., & Straut, D. (2003). Do as we say and as we do: Teaching and modeling collaborative practice in the university classroom. *Journal of Teacher Education*, 54(3), 228-340. doi: 10.1177/0022487103054003005
- Kobbe, L., Weinberger, A., Dillenbourg, P., Harrer, A., Hämäläinen, R., Häkkinen, P., & Fischer, F. (2007). Specifying computer-supported collaboration scripts. *International Journal of Computer-Supported Collaborative Learning*, 2(2-3), 211-224. doi: 10.1007/s11412-007-9014-4

- Koh, C., Wang, C. K. J., Tan, O. S., Liu, W. C., & Ee, J. (2009). Bridging the gaps between students' perceptions of group project work and their teachers' expectations. *The Journal of Educational Research*, 102(5), 333-348. doi: 10.3200/JEOR.102.5.333-348
- Kollar, I., Fischer, K., & Hesse, F. W. (2006). Collaboration scripts – a conceptual analysis. *Educational Psychology Review*, 18(2), 159-185. doi: 10.1007/s10648-006-9007-2
- Koroneou, L., Paraskeva, F. & Alexiou, A. (2013). Designing a framework based on problem-based learning for CSCL environments in order to enhance 21st century skills. *International Journal of Information and Education Technology*, 3(2), 135-138. doi: 10.7763/IJIET.2013.V3.250
- Kreijns, K., Kirschner, P. A., & Jochems, W. M. G. (2003). Identifying the pitfalls for social interaction in computer-supported collaborative learning environments: A review of the research. *Computers in Human Behaviour*, 19(3), 335-353. doi: 10.1016/S0747-5632(02)00057-2
- Kutnick, P., Blatchford, P., & Baines, E. (2002). Pupil groupings in primary school classrooms: Sites for learning and social pedagogy? *British Educational Research Journal*, 28(2), 187-206. doi: 10.1080/01411920120122149
- Kwakman, K. (2003). Factors affecting teachers' participation in professional learning activities. *Teaching and Teacher Education*, 19(2), 149-170. doi: 10.1016/S0742-051X(02)00101-4
- Lee, S. J., Srinivasan, S., Trail, T., Lewis, D., & Lopez, S. (2011). Examining the relationship among student perception of support, course satisfaction, and learning outcomes in online learning. *Internet and Higher Education*, 14(3), 158-163. doi: 10.1016/j.iheduc.2011.04.001
- Lethinen, E., Hakkarainen, K., Lipponen, L., Rahikainen, M., & Muukkonen, H. (n.d.). *Computer supported collaborative learning: a review*. Retrieved September 11, 2013 from <http://www.comlab.hut.fi/opetus/205/etatehtava1.pdf>.
- Lizzio , A., Wilson, K., & Simons, R. (2002). University students' perceptions of the learning environment and academic outcomes: Implications for theory and practice, *Studies in Higher Education*, 27(1), 27-52. doi: 10.1080/03075070120099359
- Marble, S. (1997). Narrative visions of schooling. *Teaching and Teacher Education*, 13(1), 55-64. doi: 10.1016/S0742-051X(96)00043-1
- Martin, A. J. (2007). Examining a multidimensional model of student motivation and engagement using a construct validation approach. *British Journal of Educational Psychology*, 77(2), 413-440. doi: 10.1348/000709906X118036
- McLoughlin, C. (2002). Learner support in distance and networked learning environments: Ten dimensions for successful design. *Distance Education*, 23(2), 149-162. doi: 10.1080/0158791022000009178.
- McWhah, K., Schnackenberg, H., Slater, J., & Abrami, P. C. (2003). From co-operation to collaboration: Helping students become collaborative learners. In R. M. Gillies & A. F. Ashman (Eds.), *Co-operative learning: The social and intellectual outcomes of learning in groups* (pp. 69-102). New York: Routledge.
- Murray, K. & Macdonald, R. (1997). The disjunction between lecturers' conceptions of teaching and their claimed educational practice. *Higher Education*, 33(3), 331-349. doi: 10.1023/A:1002931104852
- Norton, L., Richardson, J. T. E., Hartley, J., Newstead, S., & Mayes, J. (2005). Teachers' beliefs and intentions concerning teaching in higher education. *Higher Education*, 50(4), 537-571. doi: 10.1007/s10734-004-6363-z

- Norton L., Aiyegbayo, O., Harrington, K., Elander, J., & Reddy, P. (2010). New lecturers' beliefs about learning, teaching and assessment in higher education: The role of the PGCLTHE programme. *Innovations in Education and Teaching International*, 4 (4), 345-356. doi: 10.1080/14703297.2010.518426
- Nussbaum, M. E. (2008). Collaborative discourse, argumentation, and learning: Preface and literature review. *Contemporary Educational Psychology*, 33(3), 345-359. doi: 10.1016/j.cedpsych.2008.06.001
- Onrubia, J., & Engel, A. (2012). The role of teacher assistance on the effects of a macro-script in collaborative writing tasks. *Computer Supported Collaborative Learning*, 7(1), 167-186. doi: 10.1007/s11412-011-9125-9
- Oortwijn, M. B., Boekaerts, M., Vedder, M. P., & Strijbos, J. W. (2008). Helping behaviour during cooperative learning and learning gains: The role of the teacher and of pupils' prior knowledge and ethnic background. *Learning and Instruction*, 18(2), 146-159. doi: 10.1016/j.learninstruc.2007.01.014
- Ozdilek, Z., & Robeck, E. (2009). Operational priorities of instructional designers analyzed whithin the steps of the Addie instructional design model. *Procedia Social and Behavioral Sciences*, 1(1), 2046-2050. doi: 10.1016/j.sbspro.2009.01.359
- Panitz, T. n.d. *Collaborative versus cooperative learning: A comparison of the two concepts which will help us understand the underlying nature of interactive learning*. Retrieved November 11, 2015, from <http://home.capecod.net/~tpanitz/tedsarticles/coopdefinition.htm>
- Payne, B. K., Monk-Turner, E., Smith, D., & Sumter, M. (2006). Improving group work: Voices of students. *Education*, 126(3), 441-448.
- Pintrich, P. R. (2003). A motivational science perspective on the role of student motivation in learning and teaching contexts. *Journal of Educational Psychology*, 95(4), 667-686. doi: 10.1037/0022-0663.95.4.667
- Porter, S. R. (2011). Do college student surveys have any validity? *The review of higher education*, 35(1), 45-76. Retrieved from <https://muse.jhu.edu>, November 6, 2015.
- Reid, D. J., & Johnston, M. (1999). Improving teaching in higher education: Student and teacher perspectives. *Educational Studies*, 25(3), 269-281. doi: 10.1080/03055699997792
- Reigeluth, C. (1999). *Instructional design theories and models – A new paradigm of instructional theory* (Volume II). Mahwah, NJ: Lawrence Erlbaum Associates.
- Reiser, R. (2001). A history of instructional design and technology. Part 2: a history of instructional design. *Educational Technology Research & Development*, 49(2), 57-67. doi: 10.1007/BF02504506
- Reyes, M. R., Bracket, M. A., Rivers, S. E., White, M., & Salovey, P. (2012). Classroom emotional climate, student engagement, and academic achievement. *Journal of Educational Psychology*, 104(3), 700-712. doi: 10.1037/a0027268
- Richardson, V. (1996). *The role of attitudes and beliefs in learning to teach*. In J. Sikula, T. Buttery & E. Guyton (Eds), *Handbook of research on teacher education* (2nd ed., pp. 102-119). New York: Simon and Schuster Macmillan.
- Richter, D., Kunter, M., Klusmann, U., Lüdtke, O.,& Baumert, B. (2011). Professional development across the teaching career: Teachers' uptake of formal and informal learning opportunities. *Teacher and Teacher Education*, 27(1), 116-126. doi: 10.1016/j.tate.2010.07.008
- Ross, J. A., Rolheiser, C., & Hogaboam-Gray, A. (1998). Student evaluation in co-operative learning: teacher cognitions. *Teachers and Teaching: Theory and practice*, 4(2), 299-316.

- doi: 10.1080/1354060980040207
- Ross, M., Morrison, G. R., Hannafin, R. D., Young, M., Van den Akker, J., Kuiper, W., Richey, R. C., & Klein, J. D. (2008). Research designs. In J. M. Spector, M. D. Merrill, J. van Merriënboer & M. P. Driscoll (Eds.), *Handbook of research on educational communications and technology* (3rd ed., pp. 715-761). New York: Lawrence Erlbaum Associates.
- Rubie-Davies, C. M., Flint A., & McDonald, L. G. (2012). Teacher beliefs, teacher characteristics, and school contextual factors: What are the relationships? *British Journal of Educational Psychology*, 82(2), 270-288. doi: 10.1111/j.2044-8279.2011.02025.x.
- Ruiz-Gallardo, J. R., Castaño, S., Gómez-Alday, J. J., & Valdés, A. (2011). Assessing student workload in problem based learning: Relationships among teaching method, student workload and achievement. A case study in natural sciences. *Teaching and Teacher Education*, 27(3), 619-627. doi: 10.1016/j.tate.2010.11.001
- Ruys, I., Van Keer, H., & Aelterman, A. (2010). Collaborative learning in pre-service teacher education: an exploratory study on related conceptions, self-efficacy and implementation. *Educational Studies*, 36(5), 537-553. doi: 10.1080/03055691003729021
- Saab, N., Van Joolingen, W. R., & Van Hout-Wolters, B. H. A. M. (2007). Supporting communication in a collaborative discovery learning environment: The effect of instruction. *Instructional Science*, 35(1), 73-98. doi: 10.1007/s11251-006-9003-4
- Saban, A. (2003). A Turkish profile of prospective elementary school teachers and their views of teaching. *Teaching and Teacher Education*, 19, 829-846. doi: 10.1016/j.tate.2003.03.004
- Sahinkarakas, S., Inozu, J., & Yumru, H. (2010). The influence of higher education experiences on ELT students' learning outcomes. *Procedia - Social and Behavioral Sciences*, 2(2), 4183-4188. doi: 10.1016/j.sbspro.2010.03.661
- Schellens, T., Van Keer, H., De Wever, B., & Valcke, M. (2007). Scripting by assigning roles: Does it improve knowledge construction in asynchronous discussion groups? *International Journal of Computer-Supported Collaborative Learning*, 2(2-3), 225-246. doi: 10.1007/SII412-007-9016-2
- Schwarz, N. (1999). Self-reports: How the questions shape the answers. *American Psychologist*, 54(2), 93-105. doi: 10.1037/0003-066X.54.2.93
- Segers, M., Dochy, F., & Cascallar, E. (2003). The era of assessment engineering: Changing the role of new modes of assessment. In M. Segers, F. Dochy, & E. Cascallar (Eds.), *Optimising new modes of assessment: In search of qualities and standards* (pp. 13-36). Dordrecht, the Netherlands: Kluwer Academic Publishers.
- Siegel, M. A. (2012). Filling in the distance between us: Group metacognition during problem solving in a secondary education course. *Journal of Science Education Technology*, 21(3), 325-341. doi: 10.1007/s10956-011-9326-z
- Slavin, R. E. (1999). Comprehensive approaches to cooperative learning. *Theory into practice*, 38(2), 74-79. doi: 10.1080/00405849909543835
- Slotte, V., Palonen, T., & Salminen, L. (2004). Best practices for professional competence development. *Lifelong Learning in Europe*, 9(2), 95-105.
- Smith, G. G., Sorensen, C., Gump, A., Heindel, A. J. Caris, M., & Martinez, C. D. (2011). Overcoming student resistance to group work: Online versus face-to-face. *Internet and Higher Education*, 14(2), 121-128. doi: doi:10.1016/j.iheduc.2010.09.005

- Sockalingam, N., Rotgans, J., & Schmidt, H. (2012). Assessing the quality of problems in problem-based learning. *International Journal of Teaching and Learning in Higher Education*, 24(1), 43-51.
- Strijbos, J. W. (2011). Assessment of (computer supported) collaborative learning. *IEEE Transactions on learning technologies*, 4(1), 59-73. doi: ieeecomputersociety.org/10.1109/TLT.2010.37
- Strijbos, J. W., Martens, R. L., & Jochems, W. M. G. (2004). Designing for interaction: Six steps to designing computer-supported group-based learning. *Computers and Education*, 42(4), 402-424. doi: 10.1016/j.compedu.2003.10.004
- Suthers, D., & Verbert, K. (2013). Learning analytics as a "middle space". In D. Suthers, K. Verbert, E. Duval & X. Ochoa (Eds.), *LAK '13: Proceedings of the third international conference on learning analytics and knowledge* (pp. 1-4). New York, USA: ACM.
- Tomcho, T. J., & Foels, R. (2012). Meta-analysis of group learning activities: Empirically based teaching recommendations. *Teaching of Psychology*, 39(3), 159-169. doi: 10.1177/0098628312450414
- Topping, K. J. (2003). Self and peer assessment in school and university: Reliability, validity and utility. In M. Segers, F. Dochy, & E. Cascallar (Eds.), *Optimising new modes of assessment: In search of qualities and standards* (pp. 55-87). Dordrecht, the Netherlands: Kluwer Academic Publishers.
- Van den Akker, J., McKenney, S., Nieveen, N., & Gravemeijer, K. (2006). Introduction to educational design research. In J. Van den Akker, K. Gravemeijer, S. McKenney & N. Nieveen (Eds.), *Design research from a curriculum perspective* (pp. 110-143). London: Routledge.
- Villasclaras-Fernández, E. D., Hernández-Leo, D., Asensio-Pérez, J. I., & Dimitriadis, Y. (2009). Incorporating assessment in a pattern-based design process for CSCL scripts. *Computers in Human Behavior*, 25(5), 1028-1039. doi: 10.1016/j.chb.2009.01.008
- Visscher-Voerman, I., & Gustafson, K. L. (2004). Paradigms in the theory and practice of education and training design. *Educational Technology Research and Development*, 52(2), 69-89. doi: 10.1007/BF02504840
- Watt, H. M. G., & Richardson, P. W. (2008). Motivations, perceptions and aspirations concerning teaching as a career for different types of beginning teachers. *Learning and Instruction*, 18(5), 408-428. doi: 10.1016/j.learninstruc.2008.06.002
- Wayne, A. J., & Youngs, P. (2003). Teacher characteristics and student achievement gains: A review. *Review of Educational Research*, 7(1), 89-122.
- Webb, N. M. (2010). Peer learning in the classroom. In. S. Järvelä (Ed.), *Social and emotional aspects of Learning* (pp. 636-642). Oxford: Elsevier Academic Press.
- Webb, N. M., Franke, M. L., De, T., Chan, A. G. , Freund, D., Shein, P., & Melkonian, D. K. (2009). 'Explain to your partner': Teachers instructional practices and students dialogue in small groups. *Cambridge Journal of Education*, 39(1), 49-70. doi: 10.1080/03057640802701986

- Wieland, K. (2010). *The effects of different computer-supported collaboration scripts on students' learning processes and outcome in a simulation-based collaborative learning environment* (Order No. 3477281). Available from ProQuest Dissertations and Theses Global. (897546559). Retrieved from <http://search.proquest.com/docview/897546559?accountid=12045>
- Wilson, B. G., Ludwig-Hardman, S., Thornam, C. L., & Dunlap J. C. (2004). Bounded community: Designing and facilitating learning communities in formal courses. *International Review of Research in Open and Distance Learning*, 5(3), 1-22.
- Wosnitza, M., & Volet, S. (2012). Group heterogeneity and homogeneity in personal content goals for a group learning activity: Impact on individual appraisals. *Applied Psychology*, 61(4), 585-604. doi: 10.1111/j.1464-0597.2012.00507.x
- Yeh, Y. C. (2010). Integrating collaborative PBL with blended learning to explore preservice teachers' development of online learning communities. *Teaching and Teacher Education*, 26(8), 1630-1640. doi: 10.1016/j.tate.2010.06.014
- Zhao, X., Lynch, J. G., & Chen, Q. (2010). Reconsidering Baron and Kenny: Myths and truths about mediation analysis. *Journal of Consumer Research*, 37(2), 197-206. doi: 10.1086/65127
- Zwart, R. C., Wubbels, T., Bergen, T., & Bolhuis, S. (2009). Which characteristics of a reciprocal peer coaching context affect teacher learning as perceived by teachers and their students. *Journal of Teacher Education*, 60(3), 243-257. doi: 10.1177/0022487109336968

