

Environmental Education and Environmental Literacy Research bibliography

Research on Professional Development in Environmental Education

- American Federation of Teachers. (2002). AFT's Guidelines for creating professional development programs that make a difference. (Item No. 39-0176). Washington, DC: Author. Accessed July 10, 2010 at <<http://www.aft.org/pdfs/teachers/principlesprodev0502.pdf>>
- Bennett, D. (1984). Inservice teacher education. In N. McInnis and D. Albrecht (Eds.), *What makes education environmental?* (pp. 65-75). Medford, NJ: Plexus Publishing, Inc.
- Denzin, N., & Lincoln, Y. (Eds.). (2000). *Handbook of qualitative research (2nd edition)*. Thousand Oaks, CA: Sage Publications.
- Engelson, D. (1984). Guidelines for inservice programs. In N. McInnis and D. Albrecht (Eds.), *What makes education environmental?* (pp. 76-81). Medford, NJ: Plexus Publishing, Inc.
- Fleming, L. (2009). *Environmental education professional development needs and priorities Study*. (Funded by EETAP - through a cooperative arrangement with the U.S. Environmental Protection Agency and the U.S. Fish and Wildlife Service.) Tucson, AZ: Author.
- Hart, P. (1993). Alternative perspectives in environmental education research: Paradigm of critically reflective inquiry. In R. Mrazek (Ed.), *Alternative paradigms in environmental education research* (pp. 107-130). Troy, OH: North American Association for Environmental Education.
- Hungerford, H., Volk, T., & Ramsey, J. (2000). *Instructional impacts of environmental education on citizenship behavior and academic achievement: Research on Investigating and Evaluating Environmental Issues and Actions, 1979-2000*. Paper presented at the 29th Annual Conference of the North American Association for Environmental Education, South Padre Island, TX.
- Joyce, B., & Calhoun, E. (2010). *Models of professional development*. Thousand Oaks, CA: Corwin.
- Marcinkowski, T. (2004). *Using a logic model to review and analyze an environmental education program*. [NAAEE Monograph Series, Volume 1] (pp. 41-48). Washington, DC: NAAEE.
- Marcinkowski, T., & Mrazek, R., (Eds.). (1996). *Research in environmental education, 1981-1990*. Troy, OH: North American Association for Environmental Education.
- Mrazek R. (Ed.), *Alternative paradigms in environmental education research. Monographs in Environmental Education and Environmental Studies, Volume 8*. Troy, OH: NAAEE.
- National Research Council. (1996). *National science education standards*. Washington, DC: National Academy Press.
- North American Association for Environmental Education. (2004). *Guidelines for the preparation and professional development of environmental educators*. Washington, DC: Author. \
- Patton, M.Q. (2002). *Qualitative research and evaluation (3rd ed.)*. Thousand Oaks, CA: Sage Publications, Inc.
- Peyton, R.B. (1984). Chapter 7: Environmental education related to teacher training. In L. Iozzi (Ed.), *A summary of research in environmental education, 1971-1982. The second report of the National Commission on EE Research*. [Monographs in Environmental Education and Environmental Studies, #2] (pp. 131-135). Columbus, OH: ERIC Clearinghouse for Science, Mathematics, and Environmental Education.

- Robottom, I. (1987a). Toward inquiry-based professional development in environmental education. In I. Robottom (Ed.), *Environmental Education: Practice and Possibility*. Geelong, Victoria, Australia: Deakin University.
- Robottom, I. (1987b). Two paradigms of professional development in environmental education. *The Environmentalist*, 7(4), 291-298.
- Wilke, R., & Leatherman, J. (1983). Conclusions and generalizations drawn from "Research in Environmental Education, 1971-1980" regarding teacher training preservice, teacher training inservice, community resource use, and field trips. In A. Sacks, L. Iozzi, and R. Wilke (Eds.) *Current Issues in Environmental Education and Environmental Studies* (pp.199-210). Columbus, OH: ERIC Clearinghouse for Science, Mathematics, and Environmental Education.

Research on Student Learning in Environmental Education

- Athman, J.A. (2004). The effects of environment-based education on students' critical thinking and achievement motivation. (Doctoral dissertation, University of Florida, 2003) *Dissertation Abstracts International*, 64(9), 3237-A. UMI No. AAT 3105582 Athman, J. and Monroe, M. (2004). The effects of environment-based education on students' achievement motivation. *Journal of Interpretation Research*, 9(1), 9-25.
- Barlow, Z. & Stone, M. (2005). *Ecological Literacy: Educating our Children for a Sustainable World*.
- Bartosh, O. (2003). *Environmental education as a tool for improving student achievement*. Unpublished master's thesis, Evergreen State College, Olympia, WA.
- Basile, C. (2000). Environmental education as a catalyst for transfer of learning in young children. *The Journal of Environmental Education*, 32(1), 21-27.
- Cheak, M., & Volk, T. (2003). The effects of an environmental education program on students, parents, and community. *The Journal of Environmental Education*, 34(4), 12-25.
- Cosgrove Group (2003). Environmental Youth Study
- Coyle, K. (2005). *Environmental Literacy in America: What Ten Years of NEETF/Roper Research and Related Studies Say about Environmental Literacy in the U.S.* Washington, DC: The National Environmental Education and Training Foundation.
- Culen, G., & Volk, T. (2000). Effects of an Extended Case Study on Environmental Behavior and Associated Variables in Seventh-and Eighth-Grade Students. *The Journal of Environmental Education*, 31(2), 9-15.
- Ernst, J. and Monroe, M. (2004). The effects of environment-based education on students' critical thinking skills and disposition toward critical thinking. *Environmental Education Research*, 10(4), 507-522. National Environmental Education and Training Foundation. (2002). *Environmental education and educational achievement: Promising programs and resources*. Washington, DC: Author.
- James, J., & Bixler, R. (2008). Children's role in meaning making through their participation in an environmental education program. *The Journal of Environmental Education*, 39(4), 44-59.
- Lieberman, G., & Hoody, L. (1998). *Closing the Achievement Gap: Using the Environment as an Integrating Context for Learning*. San Diego, CA: State Education and Env. Roundtable.
- Mackenzie-Cutler, A & Smith, R. (2003). "Ecological literacy: the "missing paradigm in environmental education." In *Environmental Education Research*, Vol. 9, Issue 4, pp. 497-524.
- National Environmental Education and Training Foundation & North American Association for Environmental Education. (2000). *Environment-based Education: Creating High Performance Schools and Students*. Washington, DC: Authors.
- National Environmental Education and Training Foundation & North American Association for Environmental Education. (2001). *Using Environmental-based Education to Advance Learning Skills and Character Development*. Washington, DC: Authors.
- Orr, D. (1992). *Ecological Literacy: Education as if the Earth Mattered*.

MAINE AUDUBON

State Education and Environment Roundtable. (2000). *California Student Assessment Project: The Effects of Environment-based Education on Student Achievement, Phase One*. Poway, CA: Author. Available at <http://www.seer.org/pages/csap.pdf>

Stone, M. (2009). *Smart By Nature: Schooling for Sustainability*.

Wray-Lake, Flanagan, C.A. & Osgood, D.W. (2009). "Examining trends in adolescent environmental attitudes, beliefs and behaviors across three decades." In *Environment and Behavior* (May 5).

Research on Impacts of School Yards on student learning

Blair, D. (2009). The child in the garden: An evaluative review of the benefits of school gardening. *The Journal of Environmental Education*, 40(2), 15-38.

Carrier, S. (2009). Environmental education in the schoolyard: Learning styles and gender. *The Journal of Environmental Education*, 40(3), 2-12. Hungerford, H., Volk, T., & Ramsey, J. (2000). Instructional impacts of environmental education on citizenship behavior and academic achievement: Research on Investigating and Evaluating Environmental Issues and Actions, 1979-2000. Paper presented at the 29th Annual Conference of the North American Association for Environmental Education, South Padre Island, TX, October 17-21.

Cronin-Jones, L. (2000). The effectiveness of schoolyards as sites for elementary science instruction. *School Science and Mathematics*, 100(4), 203-211.

Fisman, L. (2005). The effects of local learning on environmental awareness in children: An empirical investigation. *The Journal of Environmental Education*, 36(3), 39-50.

Kenny, J., Militana, H., & Donahue, M. (2003). Helping teachers to use their school's backyard as an outdoor classroom: A report on the Watershed Learning Center program. *The Journal of Environmental Education*, 25(1), 15-21.

Martin, S. (2000). The influence of outdoor school yard experiences on elementary students' environmental knowledge, attitudes, behaviors, and comfort levels. (Doctoral dissertation, University of Florida, 1999). *Dissertation Abstracts International*, 60(12), 4326-A. (UMI No. AAT 9956613)

Research on Residential Environmental Education

Barnett, M., Lord, C., Strauss, E., Rosca, C., Langford, H., Chavez, D., & Deni, L. (2006). Using the urban environment to engage youths in urban ecology field studies. *The Journal of Environmental Education*, 37(2), 3-11.

Dettmann-Easler, D., & Pease, J. (1999). Evaluating the effectiveness of residential environmental education programs in fostering positive attitudes toward wildlife. *The Journal of Environmental Education*, 31(1), 33-39

Smith-Sebasto, N., & Walker, L. (2005). Toward a grounded theory for residential environmental education: A case study of the New Jersey School of Conservation. *The Journal of Environmental Education*, 37(1), 27-42.

Smith-Sebasto, N., & Cavern, L. (2006). Effects of pre- and posttrip activities associated with a residential environmental education experience on students' attitudes toward the environment. *The Journal of Environmental Education*, 37(4), 3-17.

Smith-Sebasto, N., & Obenchain, V. (2009). Students' perceptions of the residential environmental education program at the New Jersey School of Conservation. *The Journal of Environmental Education*, 40(2), 50-62.

Stern, M., Powell, R., & Ardoin, N. (2008). What difference does it make? Assessing outcomes from participation in a residential environmental education program. *The Journal of Environmental Education*, 39(4), 31-43.

Research on Service Learning and Environmental Education

www.maineaudubon.org

MAINE AUDUBON

- Billig, S. (2000, May). Research on K-12 school-based service learning: The evidence builds. *Phi Delta Kappan*, 81(9), 658-664.
- Billig, S. , & Eyler, J. (2003). The state of service learning and service-learning research. In S. Billig & J. Eyler (Eds.), *Deconstructing Service-Learning: Exploring Contexts, Participation, and Impacts* (pp. 253-264). Greenwich, CT: Information Age Publishing.
- Billig, S. (n.d.). *Heads, hearts, and hands: The research on K-12 service-learning*. Denver, CO: RMC Research Corporation,
- Billig, S., et al. (2008). *K-12 service-learning standards for quality practice: An annotated bibliography*. Denver, CO: RMC Research Corporation, and St. Paul, MN: National Youth Leadership Council. Available at <<http://www.nylc.org/objects/publications/StandardsResearch.pdf>>
- Covitt, B. (2004) Motivation in environmental education: Supporting middle school students' motives for helping the Chesapeake Bay. (Doctoral dissertation, University of Michigan, 2004) *Dissertation Abstracts International*, 65(2), 409-A. UMI No. AAT 3121911
- Calloway, D. (2009). The Ecology Corps: An evaluation of a middle school environmental program. (Doctoral dissertation, Wilmington University, 2009). *Dissertation Abstracts International*, 69(12), 4677-A. UMI No. AAT 3342824
- Falco, E. (2004). *Environment-based Education: Improving Attitudes and Academics for Adolescents*. Columbia, SC: South Carolina Department of Education.
- Furco, A., & Billig, S. (2002). *Service-learning: The essence of the pedagogy*. Greenwich, CT: Information Age Publishing.
- Van Secker, C. (2004). *Bay Schools Project: Year Three Summative Evaluation*. Annapolis, MD: Chesapeake Bay Foundation.

Research on Place Based Education

- Duffin, M., Chawla, Sobel, D., & PEER Associates. (2005). *Place-based education and academic achievement*. Available at <<http://www.seer.org/pages/research/PEEC%202005.pdf>>
- Duffin, M., Murphy, M., & Johnson, B. (2008). *Quantifying a relationship between place-based learning and environmental quality: final report*. Woodstock, VT: NPS Conservation Study; Environmental Protection Agency.
- Griffin, S. (1982). The effects of an adolescent apprenticeship process in environmental education on the development of citizen participation characteristics in high school seniors. (Doctoral dissertation, University of Massachusetts, 1982). *Dissertation Abstracts International*, 43(8), 2623-A. (UMI No. DEP82-29556)
- Leeming, F., Porter, B., Dwyer, W., Cobern, M., & Oliver, D. (1997). Effects of participation in class activities on children's environmental attitudes and knowledge. *The Journal of Environmental Education*, 28(2), 33-42.
- Powers, A. (2004). An evaluation of four place-based education programs. *The Journal of Environmental Education*, 35(4), 17-32.