

Roger P. Johanson
Department of Education
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912 Willow Lane
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EDUCATION

University of Iowa, Iowa City, Iowa
Course work equivalent to B.S. in Computer Science, 1986. (GPA=4.0)

Cornell University, Ithaca, New York
Ph.D. Curriculum and Instruction/Math Education, 1979.
Thesis: Curricular Content in Geometry: Formal and Informal Meanings.

Luther College, Decorah, Iowa
B.A. Mathematics and Psychology, 1971.

EMPLOYMENT

Coe College, Cedar Rapids, IA
Professor of Education, 1986 – present
Department Chair, 1987 – 2001
Director, Master of Arts in Teaching program, 2001 – present.
Educational foundations, student teaching supervision, elementary and secondary mathematics methods, general teaching methods, school renewal/reform. Also taught Introduction to Mathematics and courses in Prolog, Logo and multimedia programming.

University of Iowa, Iowa City, IA
Research Assistant, Center for Educational Experimentation, Development and Evaluation; 1985-86.
Apple software development.

Norwalk Community Schools, Norwalk, IA
Computer Literacy Coordinator; 1983-85.
Developed and taught district-wide computer literacy program for students in grades 1-8. Also computer orientation for teachers, and a high school programming course; instruction in BASIC and Logo.

University of Wisconsin-Superior, Superior, WI
Assistant Professor of Education; 1980-83.
Graduate and undergraduate courses in mathematics, elementary and secondary mathematics methods, curriculum, tests and measurement, educational statistics, and instructional computing.

University of Minnesota, Minneapolis, MN
Documenter, Midwest Teacher Corps Network; and Instructor, College of Education; 1979-80.
Evaluation, dissemination, conference planning; taught elementary mathematics methods

St. Paul Public Schools, St. Paul, MN
Title VII mathematics laboratory teacher; 1978-79.

Cornell University, Ithaca, NY
Research Assistant, Supervisor of math student teachers; 1974-78.

Candor Central Schools, Candor, NY
Secondary mathematics teacher; 1972-74.

West Central Schools, Humboldt, SD
Junior high school mathematics teacher; 1971-72.

PUBLICATIONS and PRESENTATIONS

- Johanson, R. P. (2008). Virtual Manipulatives for Grades K-8. Presentation at the annual meeting of the Iowa Council of Teachers of Mathematics, W. Des Moines, Feb. 15.
- Johanson, R. P. (2007). Statistical Literacy: Thinking with Data and Technology. Presentation at the annual meeting of the Iowa Council of Teachers of Mathematics, W. Des Moines, Feb. 27.
- Johanson, R. P. (2006). Rationalizing fractions: Meaningful understandings of fraction operations. Presentation at the annual meeting of the National Council of Teachers of Mathematics, St. Louis, April 24. (Earlier version of this work also presented at the ICTM conference in West Des Moines in February.)
- Johanson, R. P. (2005). Encounters with oppression: Freire, liberal arts students and Costa Rica. Presentation at the ACM Latin American Studies Conference, Grinnell, Iowa, November 6.
- Johanson, R. P. (1997). Passion and purpose in teaching. In Selke, M.J. (Ed.) Connecting with issues in Iowa teacher education. Conference monograph, Iowa ACTE and Iowa ATE.
- Johanson, R. P. (1997). The principal's role in school change and setting priorities. In Else, D. (Ed.) Issues facing building leaders engaged in school improvement. Monograph Series Volume VII, no. 2. Institute for Educational Leadership, University of Northern Iowa.
- Johanson, R. P. (1994). Preservice teacher preparation of multimedia instructional materials for use on the ICN. In Herring, M, Smaldino, S, and Thompson, A (Ed.) Interactive television preservice teacher education. Innovative applications: A monograph. Iowa Distance Education Alliance.
- Johanson, R. P. (1991). Literacy and critical thinking skills of beginning teachers: Preparation program responsibilities. In Institute for Educational Leadership. A dialogue on teacher education reform, Monograph Series Volume III, No. I. University of Northern Iowa.
- Kamphaus, R. W, Yarbrough, N. D. & Johanson, R. P. (1990). Contributions of instructional psychology to school psychology. In Gutkin, T. B. & Reynolds, C. R. (Ed.), The handbook of school psychology, 2nd Edition. New York: John Wiley. (contributed the section on CAI)
- Mendez B., Z. & Johanson, R. P. (1990) Evaluation of a national program of Logo instruction: Progress report from Costa Rica. Paper presented at the annual meeting of the American Educational Research Association, Boston.
- Johanson, R. P. (1988). Computers, cognition and curriculum: Retrospect and prospect, Journal of Educational Computing Research, 4(1), 1-30.
- Johanson, R. P. (1987). Educational computing and cognitive skills: Curricular issues and Prolog prospects. Paper presented at the AERA Annual Meeting, Washington, DC.
- Johanson, R. P. (1987). Disciplinary disincentives: Attendance and grading policies, Proteus, 4(1), 19-22.
- Johanson, R. P. (1987). Thinking in two and three dimensions. Presentation to the Iowa Council of Teachers of Mathematics, Des Moines, IA.

Johanson, R. P. & Vopava, Judy R. (1985). Attitude Assessment and Prediction of College attendance among economically disadvantaged students, *Journal of College Student Personnel*, 26(4), 339-342.

Johanson, R. P. (1985). School computing: Some factors affecting student performance. Paper presented at the AERA Annual Meeting, Chicago, IL.

Johanson, R. P. (1985). Enhancing arithmetic concepts with computer activities. Presentation to the Iowa Educational Computing Leadership Conference, Cedar Falls, IA.

Johanson, R. P. & Vopava, J. R. (1983). Attitude Assessment and Prediction of College attendance among economically disadvantaged students. Paper presented at the AERA Annual Meeting, Montreal.

Johanson, R. P. (1982) Spatial-perceptual ability development. Presentation to the Wisconsin Mathematics Council Annual Meeting, Green Lake, WI.

AWARDS - Research

Fulbright Research Scholarship. 1992. Evaluation of the national system of instructional computing. On-site review of participating and non-participating elementary schools, administration of questionnaires and tests of reasoning in computer and non-computer contexts.

Who's Who of American Teachers 1996, 2003