

DAVID A. EMERY

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Granger, IN. 46530
(574) 271-9038

Education:

Bachelor of Science, Education; June 1970; Indiana University; Bloomington, IN.

Masters of Science, Education; August 1976; Indiana University; Bloomington, IN.

Total of approximately 58 hours of graduate credit beyond M.S. from various institutions including; Purdue University, Indiana University, University of Iowa, Fresno Pacific College, University of Tennessee at Martin, Ball State University, and Kansas State University.

Work Experience:

Elkhart Community School Corporation; Elkhart, IN;

District Science Teacher 2004 – present (science resource teacher)

Science Educator, 1970 - 2004

West Side M.S. Science Dept. Chairperson and Computer Coordinator 1983 -1995

Elkhart Science Fair Coordinator (system-wide position), 1989 – present

Cooper Outdoor Science Lab Coordinator (outdoor nature area) 1995 – present

Educator Computer workshop developer and presenter, (12 workshops, 1996 – present)

Elementary Science Kit Leader, 1999 - 2000 (position was phased out)

IDNR's: Project RiverWatch and the Healthy Water/Healthy People Program;

Trainer for adult programs; 2001 - present

Purdue;

Lead teacher for several of their educational grant programs 1998 – 2003 associated with Dr. Krockover and/or Dr. Shepardson.

Indiana Department of Education (IDOE);

Technology Associate, 1992 - 1998

Member of two state committees related to alternative assessment in science for developing assessment standards and training of educators to develop and use improved assessment in secondary science education 1994, 1995. Developed and taught the middle school teachers at the related trainers' workshop for the IDOE, ~1995.

Taught summer workshops for school personnel in general computer use, word processing, desktop publishing and introduction to using integrated programs, in 1992 – 93.

Instructor for the Region II Training Center for Computer Literacy (for educators) 1983 - 1984.

CTS Corporation; Elkhart, IN; summer 1985; Computer Consultant specializing in P.C. applications in M.I.S. division of their Elkhart corporate headquarters.

Professional Activities:

Member of following: the National Science Teachers Assoc., Hoosier Assoc. of Science Teachers Inc. and the Elkhart Conservation Club.

Attended and presented science teacher workshops at both the state and the national conventions for HASTI and the NSTA for many years.

National Research Council (NRC): Actively participated in the LASER training for systemic local change in science education, 2003. Attended the NRC Business Symposium related to science at Washington DC, 2005

Published: "Constructivist Cloud in a Bottle" published in the nationally distributed NSTA magazine, Science Scope. Authored a chapter on alternative assessment in science for the book, Science Assessment in the Classroom, Dr. Daniel Shepardson, editor.

Awards: Named the Secondary Teacher of the Year in 1999 and in 2001 by the Elkhart County Soil and Water District. (*This was the 1st time this was awarded twice to the same person.*)

Active participant in several grant projects related to science education and curriculum. These include the following:

Earth science workshop (NSF) at Kansas State U.; meteorological (NSF) workshop at Purdue U. 1988; Project Inlab (alternative assessment in science) an NSF workshop at Purdue U. from 1992-95; co-chair of a committee to develop the in-house publication, "A Facilitator's Workshop Staff Development Guide" containing curriculum and support publications for presenters of alternative assessment workshops (1995); summer teaching assistant in workshop for developing alternative assessment designed to match Indiana science proficiencies (Eisenhower grant) at Purdue U. (1996); prairie education curriculum development at Purdue U. 1998-99 (Indiana DNR); Environmental Science Teacher's Workshop participant (Eisenhower grant) 1998-99, Project Envision (relating environmental science curriculum to Indiana Science Standards) an NSF project, 2000-2003,

Member of the editorial review board for Journal of Computers in Mathematics and Science Teaching, Assoc. for the Advancement of Computing in Education, 1995 -1996

Member of the Elkhart Community Schools / Bayer Corp. Partnership Committee, 1983 - 2001. (Disbanded in 2001)

Community Involvement

Elkhart City Land Use for the Himco Dump Superfund Site, 2004

Indiana Northern Regional Science Fair Advisory Board, 2003 – present

Advisory Board Member for the Elkhart Envirocorps (local Americorp group), 2002 – 2004

State Advisory Committee for Project RiverWatch of Indiana DNR, 2002 - present

Officer, ETHOS Incorporated (Encouraging Technology and Hands On Science), Director of Science Initiatives & Special Projects, 2000 – present