

Dr. Gary L. Ackerman

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Profession Positions:

I have worked in education for 30 years, beginning my career as a science and math teacher before becoming a full-time educational technology professional. This gives me experience creating technology-rich projects with educators for all learners in all subject areas.

July 2017-present Flexible Pathways Coordinator

Windsor School, Windsor, VT

- Support internships, early college, independent study, and similar activities

May 2015-August 2017 Educational Technology Specialist (part-time)

Mount Wachusett Community College, Devens, MA

- Supported online teaching and learning in advanced manufacturing programs
- Ensured course materials compile with ADA requirements
- Collaborated with IT staff to plan custom installations
- Facilitated faculty participation in campus-wide curriculum initiatives

July 2014-June 2017 Digital Project Leader (80%)

Rivendell Academy, Orford, NH

- Supported technology-rich teaching and learning, especially critical explorations
- Deployed and managed LMS and electronic portfolio platforms
- Developed tools to manage online curriculum
- Expanded multimedia projects throughout the school

September 2013-June 2014 Technology Integration Specialist & Coordinator

Rutland Southwest Supervisory Union, Poultney, VT

- Mentored K-12 faculty in technology-rich teaching and learning
- Designed projects integrating technology and Next Generation Science Standards
- Supported technology planning and implementation
- Managed Windows WAN and Google Applications for Education
- Provided support and system administration for Windows, iOS
- Collaborated with administrators on planning, budget, and similar decisions
- Managed transition from Exchange to Gmail and replacement of servers

July 2012-August 2013 Director of the Center for Teaching and Learning

Mount Wachusett Community College, Gardner, MA

- Managed Blackboard for approximately 5000 users
- Mentored community college faculty in technology-rich teaching and learning
- Co-chaired Academic Environment and Technologies Committee
- Strategic Planning & Academic Professional Development Committees

December 2003-June 2012 Technology Teacher/ Coordinator/ Integration Specialist

West Rutland School, West Rutland, VT

- Managed Windows networks; Windows, Linux, and Macintosh systems
- Installed first wireless networks
- Secured grants and other alternative funding
- Evaluated, recommended, installed, and managed SIS, OPAC, and LMS
- Supported technology-rich instruction in all grades/subjects

August 2003-November 2003 Technology Coordinator

Bennington-Rutland Supervisory Union, Manchester Center, VT

- Supported technology planning and instruction in several K-8 schools

September 2002-June 2003 Math Teacher

The Dorset School, Dorset, VT

- Developed new grade reporting database
- Implemented real-world mathematics integration with science
- Led personal performance project initiative

September 1994-June 2002 Math/ Computer Teacher

Rutland Middle School, Rutland, VT

- Supported technology planning, systems, and instruction
- Led electronic portfolio initiative
- Led district-wide technology committee

September 1992-June 1994 Science Teacher

Mill River Union High School, North Clarendon, VT

- Led the first technology planning committee in the school
- Developed computer-based chemistry and physics curricula

September 1988-June 1992 Science Teacher

Lamoille Union High School, Hyde Park, VT

- Served as interdisciplinary team leader
- Led the design of interdisciplinary units
- Developed field-based science curriculum

Education:

I hold three degrees; while earning each I conducted original research in my field.

Doctor of Philosophy in Education, 2009, Northcentral University, Prescott, AZ

Master of Arts in Education, 2000, Castleton State College (now University), Castleton, VT

Bachelor of Science in Education, 1988, University of Vermont, Burlington, VT

Higher Education Teaching:

For more than 20 years, I have served as an adjunct instructor for both graduate courses and undergraduate students; much of this teaching has been in online environments. A sample of my teaching is provided here.

Mount Wachusett Community College, Gardner, MA

- Various CIS courses since 2012, College Access Challenge, Spring 2013, Statistics, Fall 2012

St. Thomas University, Miami, FL

- Media Design and Development, December 2016-May 2017

Castleton State College, Center for Teaching and Learning

- Various courses in educational technology 1999-2009

University of Vermont, Burlington, VT

- Information Technology for School Library and Media Centers, 2000-2006

Vermont Association of Middle Level Education, Johnson, VT

- Summer Institute, 2000-2003

Rutland Region Education Alliance, Rutland, VT

- Capstone Institute, 1999-2003

College of St. Joseph in Vermont, Rutland, VT

- Computers in the Classroom, 1998-2003

Leadership Experiences:

Throughout my career, I have served as a leader for local initiatives. My leadership has extended to formal positions in larger organizations.

New England Education Research Organization, Boston, MA

- Web master, 2012-2015
- Co-Leader, Curriculum and Instruction Strand, Annual Conference, 2012-2015

New England League of Middle School, North Andover, MA

- Board of Directors, 2007-2009
- Technology Committee, 2003-2009; Chair, 2007-2009

Rutland Central Supervisory Union, Rutland, VT

- Chair, Technology Steering Committee, 2006-2008

Rutland Region Education Alliance, Rutland, VT

- Capstone Leadership Team, 1999-2003

Vermont Information Technology Association for the Advancement of Learning, Montpelier, VT

- Chair of Southwest Regional Group & Board of Directors, 1998-2002

Recent Professional Presentations:

I believe sharing my work with the larger educational community is an important professional responsibility. I have given more than 30 presentations at regional and national conferences; a sample of my recent presentations is provided.

Educational Technology Leadership: Lessons from User-based Design

International Educational Technology Conference, scheduled for August 2018

Planning and Leading for Innovative Technology

Teaching and Learning and Student Development Conference, April 2018

Technology in Support of Diverse Assessment

Association for Educational Communication and Technology, November 2017

Training to Education: Supporting New Instructors

Massachusetts Colleges Online Annual Conference, June 2016

The Application of Technology Acceptance to Educational Design

New England Education Research Organization, April 2016

Avoiding Red Herrings: Technology Support that Works

Association for Educational Communication and Technology, November 2015

Active Learning at a Distance

Massachusetts Colleges Online Annual Conference, June 2013

Measuring Technology Acceptance in K-12 Educators: Adapting an Instrument

New England Educational Research Organization Annual Conference, May 2012

Selected Writing & Research:

This sample illustrates the research and publications that comprise my scholarly life.

Ackerman, G. (2018). *Efficacious technology management: A guide for school leaders*. (Currently under review for release on OER sites.)

Ackerman, G. (in press). Open source online learning in rural communities. In I. Bouchrika, N. Harrati, and P. Vu. (Eds.). *Learner experience and usability in online education*. Hershey, PA: IGI-Global.

Member of editorial board for M Grasseti and S. Brookby (Eds.). *Advancing next-generation elementary teacher education through digital applications*. Hershey, PA: IGI-Global.

Ackerman, G. (2017). Strategies to increase technology acceptance. In M. Grasseti and S. Brookby (Eds.). *Advancing next-generation elementary teacher education through digital applications*. Hershey, PA: IGI-Global.

Ackerman, G. (2015). *Technology-rich teaching: Classrooms in the 21st century*. Lanham, MD: University Press of America.

Ackerman, G. (2014). Turning the flipped classroom upside-down. *AMLE Magazine* 1(8), 44-5.

Ackerman, G. (2011). *Instrument to measure Unified Theory of Acceptance and Use of Technology*. [https:// sites.google.com/site/utauttest/home](https://sites.google.com/site/utauttest/home).

Ackerman, G. (2011 March 8). Bridging 21st century gaps: An essay review of *Mehlenbacher's Technology and Instruction*. *Education Review*, 14(8).

Ackerman, G. (2009). *Information technology in the K-12 classroom: Curriculum and instruction reflecting emerging capacity and paradigms*. (Unpublished doctoral dissertation). Northcentral University, Prescott Valley, AZ.

Ackerman, G. (2006). Technology for *Turning Points*. *Journal of the New England League of Middle Schools*, 18(1), 22-6.

Ackerman, G. (ed.). (2002). *Electronic personal development collections: A resource CD for educators*. Rutland, VT: Rutland Region Education Collaborative.

Ackerman, G. (2000). *School technology planning in southwestern Vermont*. (Master's Thesis). Castleton State College, Castleton, VT.

Ackerman, G. (1987). *The effects of pruning on lateral growth of Pinus resinosa*. (Unpublished Manuscript). Botany Department, University of Vermont, Burlington, VT.

Ackerman, G., & Offenhartz, S. (1986). *The effects of cadmium on nodule formation in legumes* (Unpublished manuscript). Botany Department, University of Vermont, Burlington, VT.

A complete list of Dr. Ackerman's writing and presentations is available upon request