

Dr. Gary L. Ackerman
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Profession Positions:

I have worked in education for more than 30 years, having begun my career as a science and math teacher before becoming a full-time educational technology professional. In my work, I have developed the capacity to create engaging technology-rich activities for all learners in all subject areas.

February 2019-present Coordinator of Instructional Technology
Greenfield Community College, Greenfield, MA

- Manage Moodle for approximately 2000 users
- Consult with faculty in all areas to use classroom and online technologies
- Lead initiative to improve course quality and accessibility
- Advocate for faculty within the information technology department

July 2020-January 2021 Learning Design Consultant (part-time, temporary)
Castleton University, Castleton, VT

- Supported faculty in their use of Canvas for remote teaching
- Planned and delivered virtual and self-paced workshops for faculty

July 2018-January 2019 Educational Consultant
Independent Contractor, Rutland, VT

- Developed educational resources in STEM fields
- Edited educational manuscripts

July 2017-June 2018 Flexible Pathways Coordinator
Windsor School, Windsor, VT

- Supported internships, early college courses, independent studies, community-based education, and similar activities for high school students

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 compiled with ADA requirements
- Created open education resources and managed MWCC's OER collection
- Collaborated with IT staff to plan custom installations
- Managed network and desktop devices for specialized training purposes and devices
- 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
- Managed laptops deployed in one-to-one initiative along with Macintosh and PC desktops

September 2013-June 2014 Technology Integration Specialist & Coordinator
Rutland Southwest Supervisory Union, Poultney, VT

- Mentored K-12 faculty in technology-rich teaching and learning
- Managed Windows LAN and Google Applications for Education
- Provided support and system administration for Windows, Macintosh, and 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
- Served on Strategic Planning & Academic Professional Development Committees
- Served as technology lead for multiple grants

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
- 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

- 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
- Developed field-based science curriculum

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. Institutions where I have held adjunct appointments include:

Mount Wachusett Community College, Gardner, MA
St. Thomas University, Miami, FL
College for America at Southern New Hampshire University, Manchester, NH
Community College of Vermont, Rutland, VT
Kaplan University, School of Graduate Education, Ft. Lauderdale, FL
University of Vermont, Burlington, VT
Castleton State College, Castleton, VT
Vermont Association of Middle Level Education, Johnson, VT
Rutland Region Education Alliance, Rutland, VT

College of St. Joseph in Vermont, Rutland, VT

Professional Service:

Throughout my career, I have served as a leader for local initiatives and provided service and leadership for organizations and initiatives that promote professional growth.

Member of editorial board for M. Grasseti and J. Zoino-Jeannetti (Eds.). (2020). *Next generation digital tools and applications for teaching and learning enhancement*. IGI-Global.

MERLOT, California State University

- Instructional Technology Editorial Board, 2018-2020

Member of editorial board for M Grasseti and S. Brookby (Eds.). (2017). *Advancing next-generation elementary teacher education through digital applications*. IGI-Global.

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 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

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

Select 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.

Training, Planning, Designing: Purposeful Professional Development

Association for Educational Communication and Technology, November 2020

Accessing Online Content for Teaching Mathematics (co-presenter)

Universal Design and ADA Best Practices (co-presenter)

Virtual Valley Conference, August 2020

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

Selected Writing & Research:

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

Ackerman, G. (2020). A typology for professional development. In M. Grassetti & J. Zoino-Jeannetti (Eds.), *Next generation digital tools and applications for teaching and learning enhancement*, (pp. 180-200). IGI-Global.

Ackerman, G. (2020). Leadership and the adoption of innovative planning. In J. O'Connor (Ed.), *Strategic planning in PK-12 settings*, (pp. 65-81). IGI-Global.

Ackerman, G. (2018). Open source online learning in rural communities. In I. Bouchrika, N. Harrati, and P. Vu. (Eds.). *Learner experience and usability in online education*. IGI-Global.

Ackerman, G. (2018). *Efficacious technology management: A guide for school leaders*. Rutland, VT: author. (This work is available under a Creative Commons license and has been reviewed on OER sites.)

Ackerman, G. (2017). Technology in support of diverse assessment. In M. Simonson & D. Seepersaud (Eds.). *Proceedings of the 40th Association for Educational Communications and Technology*, 147-155.

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

Ackerman, G. (2015). *Technology-rich teaching: Classrooms in the 21st century*. 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.

Dr. Ackerman's complete CV is at: http://www.hackscience.net/about/Ackerman_Full_CV_web.pdf

Gary's blog, which includes examples of his writing and instructional design products, along with evidence of his educational philosophy is available at:

<http://www.hackscience.net/hs-blog>