

Dr. Gary L. Ackerman

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I am a retired educator with broad experience in educational technology. Most recently, I have been working in a community college that requires a long commute on a regular basis. I look to continue my career closer to home and working with adults in workforce development.

Professional Positions:

*In recent years, I have supplemented my full-time work as a community college with part time work and consulting to help meet the expanding need for professionals with my expertise.*

July 2021-present Technology Consultant

Independent Contractor, Rutland, VT

- Design and deploy technology solutions using Amazon Web Services
- Prepare, produce, and deliver training solutions for technology and data professionals

July 2021-present Director, Teaching and Learning Innovation

February 2019-June 2021 Coordinator of Instructional Technology

Greenfield Community College, Greenfield, MA

- Manage audio visual systems and staff across the campus
- 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-June 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
- Developed materials using Articulate

July 2018-January 2019 Educational Consultant

Independent Contractor, Rutland, VT

- Developed open educational resources
- Edited educational manuscripts
- Led efforts to increase problem-based math curriculum

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
- Created web-based spaces for program management and administration

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

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
- 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
- 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
- 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            Mathematics 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            Mathematics and Computer Teacher

Rutland Middle School, Rutland, VT

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

- Provided in-service training in information technology
- 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 extensive field-based science program

Education:

*I hold three degrees. While earning each, I conducted original research which has given me experience with both quantitative and qualitative data collection and analysis.*

Doctor of Philosophy in Education, 2009, Northcentral University (now National University) Dissertation:  
*Information Technology in the K-12 Classroom: Curriculum and Instruction Reflecting Emerging Capacity and Paradigms*

Master of Arts in Education, 2000, Castleton State College (now Vermont State University, Castleton) Thesis:  
*Technology Planning in the Schools of Southwest Vermont*

Bachelor of Science in Education, 1988, University of Vermont Conducted original research in botany

Higher Education Teaching:

*For almost 30 years, I have been an adjunct faculty member of colleges and universities. This teaching focuses on technology, data analytics, and technology-based teaching. This teaching has been in-person, online, and hybrid.*

Greenfield Community College, Greenfield, MA 2022-present

- Database Design and Management
- Amazon Web Services (for workforce development)
- IT for Healthcare Professionals (for workforce development)

Mount Wachusett Community College, Gardner, MA 2012-present

- Operating Systems
- Data Analytics (for workforce development)
- Network Security
- Linux Programming
- Spreadsheet Applications
- Introduction to Information Systems
- Computer Applications
- College Access Challenge
- Statistics

St. Thomas University, Miami, FL, December 2016-May 2017

- Media Design and Development

Evaluator of Learning, College for America at Southern New Hampshire University, Manchester, NH,  
January 2013-April 2015

Community College of Vermont, Rutland, VT, Fall 2010

- Microcomputer Applications

Kaplan University, School of Graduate Education, Ft. Lauderdale, FL, May – December 2010

- Foundations of Information Technology

Castleton State College (now Vermont State University, Castleton), Center for Teaching and Learning  
Eight courses and institutes between 2000 and 2009

University of Vermont, Burlington, VT 2000-2006

- Information Technology for School Library and Media Centers

Rutland Region Education Alliance, Rutland, VT, 1999-2003

- Capstone Institute

College of St. Joseph in Vermont, Rutland, VT, 1998-2003

- Computers in the Classroom

#### Professional Service:

*During my career, I have provided leadership and other services to the institutions where I worked, local and regional professional organizations. More recently, I have been serving on boards to contribute to professional literature in my field.*

Member of editorial board for *Journal of Educational Studies and Multidisciplinary Approaches* and  
*International Journal of Modern Education Studies* since May 2021

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, 2018-2022

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

- Reviewer of proposals and moderator for Annual Conference since 2012
- 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, 2025-present

- 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:

*Since 1998, I have made several dozen presentations at educational conferences for educational practitioners and researchers. Several of these were at national conferences. Examples of my topics are included here. During the pandemic, when I accepted more part-time work, I did not present as much. I have multiple proposals currently under review.*

#### *Using AI to Help You Teaching*

New England League of Middle Schools, March 2026

#### *Rediscovering Problems*

New England League of Middle Schools, March 2026

#### *Teaching in an Age of AI*

New England Educational Research Organization, March 2025

#### *(Some) AI Is Your Friend*

New England League of Middle Schools, March 2025

#### *Creating and Using Multimedia*

New England Educational Research Organization, April 2024

#### *The Discovery of a Typology for Professional Development*

New England Educational Research Organization, April 2021

#### *Spinning Up Online Courses*

Teaching Learning and Student Development Conference, April 2021

#### *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

#### Sample of Writing & Research:

*My writing has appeared in a range of books and periodicals. In 2025, I anticipate releasing my fourth book under a Creative Commons license.*

Active blogger at <https://hackscience.education/hsblog/>

Ackerman, G. (2022). *Technology in schools: It's not like this in business*. Author. (This was released under a Creative Commons license and is reviewed on MERLOT and other sites.)

Ackerman, G. (2020). A typology for professional development. In M. Grasseti & 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*. Author. (This was released under a Creative Commons license, and has been reviewed on MERLOT and other sites.)

Ackerman, G. (2017). Strategies to increase technology acceptance. In M Grasseti 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>.

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

Ackerman, G. (2008). How I spent my summer: Life teaches a teacher. *Journal of the New England League of Middle Schools*, 19(1), 5-7.

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

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.