

Dr. Gary L. Ackerman
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Profession Positions:

In recent years, I have supplemented my full-time work as a community college leader in online learning and educational technology and media 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 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
- 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
- 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:

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

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 Castletown University), Castleton, VT

Thesis: *Technology Planning in the Schools of Southwest Vermont*

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

Conducted original research in botany

Higher Education Teaching:

Greenfield Community College, Greenfield, MA 2022-present

- Database Design and Management

Mount Wachusett Community College, Gardner, MA 2012-present

- 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

- Analyzing Financial Data
- Applying Economic Theories
- Environmental Science/ Consider the Environment
- Marketing and Teamwork
- People Management/ Manage People
- Psychology and the Scientific Method/ Experiment with Psychology

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, Center for Teaching and Learning

- Computer Power Tools for Learning, 2007
- The Internet in the Modern Classroom, 2006
- Rutland Central Supervisory Union Technology Institute, 2005, 2009
- Teaching and Learning in Grades Five – Nine, 2004
- Portfolios for Modern Educators, 2003

University of Vermont, Burlington, VT 2000-2006

- Information Technology for School Library and Media Centers

Vermont Association of Middle Level Education, Johnson, VT, 2000-2003

- Summer Institute

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:

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-present

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 proposal 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
- 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:

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:

- Ackerman, G. (2022). *Technology in schools: It's Not Like This in Business*. Author. (This was released under a Creative Commons license and is under reviewed on MERLOT and other sites.)
- 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*. 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 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. (2014). *Flipped with purpose: Refreshing technology in classrooms*. West Rutland, VT: author.
- 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. (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.