

Dr. Gary L. Ackerman
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<https://hackscience.education>

Profession Positions:

July 2021-present Director, Teaching and Learning Innovation
February 2019-June 2021 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-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:

Mount Wachusett Community College, Gardner, MA 2012-present

- 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. Grassetti 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

Technology in Support of Diverse Assessment

Association for Educational Communication and Technology, November 2017

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. 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. (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.