

Dr. Gary L. Ackerman
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Vermont Professional Educators' Level 2 License, expires 2019, educational technology specialist (3-42), secondary science (2-13), and mathematics in grades 7-9 (2-11A)

New Hampshire Experience Educators' License, expires 2020, education technology integrator

Profession Positions:

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
- Facilitated collaboration between faculty and IT staff for 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
- Managed LMS and electronic portfolio platforms
- Developed tools to manage online curriculum

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
- Courses taught: Computer Applications, Information Systems, Introduction to Programming, Middle School Computers, Physics, Fifth Grade Computers

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
- Led personal performance project initiative
- Courses taught: Connected Math (grade six and seven), Algebra I

September 1994-June 2002 Math/ 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
- Courses taught: Grade Seven Math, Middle School Computers, Enrichment

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
- Courses taught: Earth Science, Chemistry, Life Science, Physical Science

September 1988-June 1992 Science Teacher
Lamoille Union High School, Hyde Park, VT
- Served as interdisciplinary team leader
- Led extensive field-based science program
- Courses taught: Life Science, Physical Science, Enrichment

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 Castleton 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
- Introduction to Information Systems, Fall 2017
- Spreadsheet Applications, Spring 2013-Summer 2017
- Computer Applications, Spring 2016, Summer 2017
- College Access Challenge, Spring 2013
- Statistics, Fall 2012

St. Thomas University, Miami, FL
- Media Design and Development, December 2016-May 2017

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

- Microcomputer Applications, Fall 2010

Kaplan University, School of Graduate Education, Ft. Lauderdale, FL

- Foundations of Information Technology, May – December 2010

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

- 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:

New England Education Research Organization, Boston, MA

- Reviewer, Teaching and Teacher Education Strand, Annual Conference, 2016
- 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

Professional Presentations:

- 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*
New England League of Middle Schools, April 2016
- Avoiding Red Herrings: Technology Support that Works*
Association for Educational Communication and Technology, November 2015
- Flipped with Purpose*
New England League of Middle Schools Annual Conference, April 2014
Association of Middle Level Educators Annual Conference, November 2013
E-Volution Conference (Camden, CT), June 2013
- 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
- Reframing Classrooms for Technology*
Technology Acceptance: Overcoming Barriers
Educational Technology: A Looming Mid-Life Crisis?
New England League of Middle Schools Annual Conference, April 2012
- Frameworks: Becoming Janus in the Digital World*
Association of Teacher Educators Annual Conference, February 2012
- Technology Trends*
Digital Learners: The First Generation was Just Practice
Technology in Schools: A Wicked Problem
New England League of Middle Schools Annual Conference, April 2011
- The End of Integration... Wait...What?*
Vermont Information Technology Association for the Advancement of Learning,
VermontFest, 2010
- That Light is a Train: Emerging Technology Trends*
Vermont Information Technology Association for the Advancement of Learning,
Dynamic Landscapes, 2010
- Relevant Curriculum in the 21st Century*
Preparing Middle School Students for Distance Learning
New England League of Middle Schools Technology Summit, October 2009
- Cyberbullying*
That Light is a Train: Emerging Technology Trends

- Distance Learning in Middle Schools*
New England League of Middle Schools Annual Conference, April 2009
- Middle School Classroom 2.0*
New England League of Middle Schools Tri-State Conference, October 2008
- My Computer Can Do That?*
New England League of Middle Schools Annual Conference, April 2008
- Open Source Software Online Courses*
Vermont Principals Association Small School Conference, September 2007
- Leading in a Wired World (co-presenter)*
New England League of Middle Schools Annual Conference, April 2007
- Using Technology to Promote the Unified Arts*
New England League of Middle Schools Unified Arts Conference, October 2006
- Technology: What To Do If You Don't Have Enough (co-presenter)*
New England League of Middle Schools Annual Conference, April 2006
- Technology In the Middle School Classroom Technology-Rich Science Show & Tell*
New England League of Middle Schools Annual Conference, April 2005
- Intranets: A Tool for Modern Middle Schools*
New England League of Middle Schools Tri-State Conference, October 2005
- Creating a (Technology-Rich) Collecting Culture*
New England League of Middle Schools Annual Conference, April 2004
- Keeping It Middle School When Your School Isn't*
Vermont Middle Grades Institute, June 2003
- Preparing Powerful Portfolios*
New England League of Middle Schools Annual Conference, April 2003
- Components of a Manual for Practitioners*
New England League of Middle Schools Annual Conference, April 2002
- Electronic Portfolios in the Unified Arts Curriculum*
New England League of Middle Schools Unified Arts Conference, October 2002
- Capstone Initiative (co-presenter)*
Vermont Association for Supervision and Curriculum Development Conference,
October 2000
- Gathering Meaningful Data in Middle Schools*
New England League of Middle Schools Annual Conference, April 2000
- Using Qualitative Research Methods to Enhance Our Teaching (co-presenter)*
New England Educational Research Organization Annual Conference, May 1998

Writing & Research:

- Ackerman, G. (in press). *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.
- Technology columnist and blogger for the New England League of Middle Schools (April 2010- 2017)
- 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. (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, Gary. (2011 January 27). Review of *Wisdom: From philosophy to neuroscience* by Stephen S. Hall. *Education Review*, 13.
- Ackerman, G. (2010 September 21). Review of *The shallows: What the Internet is doing to our brains* by Nicholas Carr. *Education Review*, 13.
- Ackerman, G. (2010 August). Brief review of *Digital habitats: Stewarding technology for communities* by John Smith, Etienne Wenger, E., & Nancy White. *Education Review*.
- Ackerman, G. (2010). *Technology in your classroom: Habits, skills, and knowledge for the 21st century educator*. West Rutland, VT: author.
- Ackerman, G. (2010 May). Brief review of *Rewired: Understanding the i-generation and the way they learn* by Larry Rosen. *Education Review*.
- Ackerman, G. (2010). *Starting line 2010: Essential information technology skills for educators*. West Rutland, VT: HackScience.
- Ackerman, G. (2010 March). Brief review of *21st century skills: Learning for life in our times* by Bernie Trilling and Charles Fadel. *Education Review*.
- Ackerman, G. (2010 January) Brief review of *The nature of technology* by W. Brian Arthur. *Education Review*.
- 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. (2009). *The new starting line: 30 essential technology skills for the 21st century educator*. Rutland, VT: Rutland Central Supervisory Union.
- Ackerman, Gary. (2009 June). Brief review of *iBrain: Surviving the technological alteration of the modern mind* by Gary Small and Gigi Vorgan. *Education Review*.
- Ackerman, Gary. (2009 February). Brief review of *Brain and culture* by Bruce Wexler. *Education Review*.
- Ackerman, Gary. (2008 October). Brief review of *Disrupting class: How disruptive innovation will change the way the world learns* by Clayton Christenson, Curtis Johnson, and Michael Horn. *Education Review*.
- 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. (2007). *Basic technology survey: A protocol for documenting educators' essential technology abilities*. (Unpublished manuscript). Northcentral University, Prescott, AZ.
- Ackerman, G. (2006). Technology for *Turning Points*. *Journal of the New England League of Middle Schools*, 18(1), 22-6.
- Ackerman, G. (2003). *Online learning environments for southwestern Vermont: A framework for planning and initial endeavors*. (Unpublished Manuscript). School of Computer and Information Sciences, Nova Southeastern University Fort Lauderdale, FL.
- 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. (1999). *Interviewing to understand technology*. (Unpublished manuscript). Education Department, 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.