

**Dr. Gary L. Ackerman**  
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## EDUCATION

**Doctor of Philosophy, Educational Technology Management, October 2009**  
Northcentral University, Prescott, Arizona

Dissertation: Information Technology in the K-12 Classroom: Curriculum and Instruction  
Reflecting Emerging Capacity and Paradigms

**Master of Arts, Curriculum and Instruction, May 2000**  
Castleton State College, Castleton, Vermont

Thesis: Technology Planning in the Schools of Southwestern Vermont

**Bachelor of Science, Secondary Education- Science, May 1988**  
University of Vermont, Burlington, Vermont

- > Conducted original research in botany
- > Led campus-wide organization

## K-12 TEACHING EXPERIENCE

**Information Technology & Grade 5 Teacher, 2011-present**  
**Information Technology & Physics Teacher/ IT Integration Coach, 2009 – 2011**  
**Information Technology Teacher & IT Coordinator, December 2003 – 2009**  
West Rutland School, West Rutland, Vermont

My duties at WRS have varied as the needs of the small school varied. As the IT coordinator, I managed a 250-device network and attended to all details of IT planning and implementation, including support. After a district-wide IT coordinator was hired, my responsibilities focused on working with teachers in all grades and in all content areas. Currently, I am a full-time teacher.

- > Lead supervisory union-wide strategic planning initiatives
- > Designed and implemented content and learning management systems, cloud computing systems, OPAC's, and student management packages

### Courses Taught:

- > Computer-rich Content (grade 5)
- > Physics (high school)
- > Computer Applications (high school)
- > Computers (middle school)
- > Web Page Design, Multimedia, Information Science, Introduction to Programming (independent study courses for high school students)

**Information Technology Coordinator, August 2003 – December 2003**

Bennington-Rutland Supervisory Union, Manchester Center, Vermont

I served for a short time as the IT coordinator for several small elementary schools; I left for my current position which included a substantial pay increase.

- > Increased web presence of individual schools
- > Mentored teachers on technology integration projects
- > Facilitated technology planning in K-8 schools

**Mathematics Teacher, August 2002 - June 2003**

The Dorset School, Dorset, Vermont

My year at TDS was marked by a unique collaborative relationship with the middle school team. I left to become the IT coordinator of the supervisory union.

- > Developed technology solutions for administrative and instructional problems
- > Led personal performance project initiative

Courses Taught:

- > Connected Math (grades 6 & 7)
- > Algebra I

**Computer Teacher & Mathematics Teacher, August 1994 – June 2002**

Rutland Middle School, Rutland, Vermont

My years at RMS were marked by my transition from being a science and math teacher to being an IT teacher and leader. I left when the philosophical differences between me and the administration became untenable.

- > Planned and implemented two school-wide computer replacement initiatives
- > Reinvigorated interest in technology-based instruction
- > Developed electronic portfolio initiative
- > Chaired technology & curriculum committees

Courses Taught:

- > Grade 7 Math
- > Middle School Computers

**Science Teacher, August 1992 – June 1994**

Mill River Union High School, North Clarendon, Vermont

When at MRU, I started my transition from science teaching to IT teaching and leadership, due, in large part, to my collaboration with a physics-teaching colleague. I left when protracted contract negotiations left my position in question.

- > Developed computer-based laboratory curriculum for physics and chemistry courses
- > Led K-12 technology planning team

Courses Taught:

- > Middle School Life & Physical Science
- > Earth Science
- > Chemistry

**Science Teacher, August 1988 – June 1992**

Lamoille Union High School, Hyde Park, Vermont

In my first professional position, I held several teacher-leader positions. I left to accept a position in an area more appealing to my family.

- > Implemented middle school reforms
- > Led robust field-based learning initiative
- > Taught in-service workshops in drug abuse prevention

Courses Taught:

- > Middle School Life Science
- > Middle School Physical Science
- > Enrichment

HIGHER EDUCATION EXPERIENCE

**Adjunct Faculty, September 2010 – December 2010**

Community College of Vermont, Rutland, Vermont

- > Microcomputer Applications I

**Adjunct Faculty, May 2010 – October 2010**

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

- > Foundations of Information Technology

**Graduate Course Instructor, 2000 – 2006**

University of Vermont, Burlington, Vermont

- > Information Technology for School Library Media Centers

**Graduate Course Instructor**

Castleton Center for Schools, Castleton, Vermont

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

**Graduate Course Instructor, 1998 – 2003**

College of St. Joseph, Rutland, Vermont

- > Computers in the Classroom

TEACHER LEADERSHIP EXPERIENCES

**Technology Institute Organizer & Presenter, 2009**

Rutland Central Supervisory Union, Rutland, Vermont

**Board of Directors, 2007 – 2009**

**Chair of Technology Committee, 2007 – 2009**

**Member of Technology Committee, 2003 – 2007**

New England League of Middle Schools, Topsfield, Massachusetts

**Co-Chair, Technology Steering Committee, 2007 – 2008**

**Chair, Vermont Leadership for Information Technology Team, 2006 – 2008**

Rutland Central Supervisory Union, Rutland, Vermont

**Middle Grades Institute Technologist, 2000 – 2003**

Vermont Association for Middle Level Education, Johnson, Vermont

**Capstone Leadership Team & Institute Faculty, 1999 – 2003**

Rutland Region Education Alliance, Rutland, Vermont

**Board of Directors & Chair of Southwest Regional Group 1998 – 2002**

Vermont Information Technology Association for the Advancement of Learning

**Science Group: Curriculum, Assessment & Professional Development Team**

**Chair of Building & Member of District Technology Committees, 1994 – 1998**

Rutland City Public Schools, Rutland, Vermont

**Technology Institute Presenter, 1994 – 1999**

Rutland City Public Schools, Rutland, Vermont

**Interdisciplinary Team Leader for Middle School, 1989 – 1994**

Lamoille Union High School, Hyde Park, Vermont

PROFESSIONAL PRESENTATIONS

New England League of Middle Schools

- > Technology Trend 2011 (2011)
- > Digital Learners: The First Generation was Just Practice (2011)
- > Technology in Schools: A Wicked Problem (2011)
- > That Light is a Train: Emerging Technology Trends (2009)
- > Distance Learning in Middle Schools (2009)
- > Cyberbullying (2009)
- > Relevant Curriculum in the 21st Century (2009)
- > Preparing Middle School Students for Distance Learning (2009)
- > Middle School Classroom 2.0 (2008)
- > My Computer Can Do That? (2008)
- > Leading in a Wired World (2007) (co-presenter)
- > Using Technology to Promote the Unified Arts (2006)
- > Technology: What To Do If You Don't Have Enough (2006) (co-presenter)
- > Technology In the Middle School Classroom (2005)
- > Technology-Rich Science Show & Tell (2005)
- > Intranets: A Tool for Modern Middle Schools (2004)
- > Creating a (Technology-Rich) Collecting Culture (2004)
- > Preparing Powerful Portfolios (2003)
- > Components of a Manual for Practitioners (2002)
- > Electronic Portfolios in the Unified Arts Curriculum (2002)
- > Gathering Meaningful Data in Middle Schools (2000)

- Vermont Information Technology Association for the Advancement of Learning
  - > The End of Integration... Wait...What? (2010)
  - > That Light is a Train: Emerging Technology Trends (2010)
- Vermont Small School Conference (2007)
  - > Open Source Software
  - > Online Courses
- Vermont Middle Grades Institute (2003)
  - > Keeping It Middle School When Your School Isn't
- Vermont Association for Supervision and Curriculum Development (2000)
  - > Capstone Initiative (co-presenter)
- New England Educational Research Organization (1998)
  - > Using Qualitative Research Methods to Enhance Our Teaching (co-presenter)

## WRITING, PUBLICATIONS & RESEARCH

Ackerman, G. (March 8, 2011). Bridging 21st Century Gaps: An Essay Review of Mehlenbacher's *Technology and Instruction*. *Education Review* 14(8).

I contributed several brief reviews to *Education Review*. Books I reviewed:

- Wisdom: From Philosophy to neuroscience* (January 2011)
- The Shallows: What the Internet is doing to our brains* (September 2010)
- Digital habitats: Stewarding technology for communities* (August 2010)
- Hanging out, messing around, and geeking out: Kids living and learning with digital media* (August 2010)
- Rewired: Understanding the i-generation and the way they learn* (May 2010)
- 21st century skills: Learning for life in our times* (March 2010)
- The nature of technology* (January 2010)
- iBrain: Surviving the technological alteration of the modern mind* (May 2009)
- Brain and Culture* (February 2009)
- Disrupting class: How disruptive innovation will change the way the world learns* (October 2008)

Ackerman, G. (2010). *Instrument to measure Unified Theory of Acceptance and Use of Technology*. <https://sites.google.com/site/utauttest/home>.

Ackerman, G. (2010). *Technology in your classroom: Habits, skills, and knowledge for the 21st century educator*. West Rutland, VT: author.

Blogger for the New England League of Middle Schools (2007-2009) and (October 2010-present)

Ackerman, G. (2010). *Starting Line 2010: Essential information technology skills for educators*. West Rutland, VT: HackScience.

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, 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*. Unpublished master's thesis, Education Department, 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. & Green, A. (1985). *The effects of heavy metals on nodule formation in legumes*. Unpublished manuscript, Botany Department, University of Vermont, Burlington, VT.

#### PROFESSIONAL MEMBERSHIPS

New England Educational Research Organization  
Association of Teacher Educators