

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

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### OBJECTIVE

position in technology-rich teacher education

### EDUCATION

#### **Doctor of Philosophy, Educational Technology Management, October 2009**

Northcentral University, Prescott, AZ

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, VT

Thesis: Technology Planning in the Schools of Southwestern Vermont

#### **Bachelor of Science, Secondary Education- Science, May 1988**

University of Vermont, Burlington, VT

> Conducted original research in botany

> Led campus-wide organization

### EXPERIENCE

#### **Information Technology & Physics Teacher/ IT Integration Coach, 2009 - Present**

#### **Information Technology Teacher & IT Coordinator, December 2003-2009**

West Rutland School, West Rutland, VT

#### Accomplishments:

- > Doubled the number of computers available to faculty & students
- > Planned and installed first wireless network
- > Deployed online learning systems, OPAC, student management systems
- > Diversified computing environment by adding Linux and Macintosh systems
- > Secured alternative funding

Responsibilities:

- > Carry full-time teaching load in most terms
- > Lead supervisory union-wide strategic planning initiatives
- > Plan and deliver professional development including graduate courses
- > Mentor educators as they integrate technology into K-12 classrooms
- > Administered 250+ device network
- > Provided desktop support and troubleshooting

Courses Taught:

- > 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, VT

Responsibilities:

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

**Mathematics Teacher, Aug 2002 - Jun 2003**

The Dorset School, Dorset, VT

Accomplishments:

- > 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 - Jun 2002**

Rutland Middle School, Rutland, VT

### Accomplishments:

- > 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
- > Computers
- > Enrichment

## **Science Teacher, August 1992 - June 1994**

Mill River Union High School, North Clarendon, VT

### Accomplishments:

- > Developed computer-based laboratory curriculum for physics and chemistry courses
- > Led to middle school redesign initiative
- > 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, VT

### Accomplishments:

- > 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

TEACHER LEADERSHIP EXPERIENCES

**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

**Capstone Leadership Team, 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

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

Lamoille Union High School, Hyde Park, Vermont

TEACHING TEACHERS

**Adjunct Faculty, 2010-present**

Kaplan University, Ft. Lauderdale, FL

Community College of Vermont, Rutland, VT

**Technology Institute Organizer & Presenter, 2009**

Rutland Central Supervisory Union, Rutland, Vermont

**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)

**Graduate Course Instructor, 1998 – 2003**

College of St. Joseph, Rutland, Vermont

- > Computers in the Classroom

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

Vermont Association for Middle Level Education, Johnson, Vermont

**Capstone Institute Technologist & Faculty Member, 1999 - 2003**

Rutland Region Education Alliance, Rutland, Vermont

**Technology Institute Presenter, 1994 – 1999**

Rutland City Public Schools, Rutland, Vermont

**PROFESSIONAL PRESENTATIONS**

Vermont Information Technology Association for the Advancement of Learning

- > That Light is a Train: Emerging Technology Trends (2010)

## New England League of Middle Schools

- > 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 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)

## PUBLICATIONS & RESEARCH

Ackerman, G. (2010). Review of the book: Rewired: *Understanding the i-generation and the way they learn*. Retrieved May 1, 2010, from <http://edrev.asu.edu/brief/may10.pdf>

Ackerman, G. (2010). *Review of the book: 21st century skills: Learning for life in our times*. Retrieved March 10, 2010, from <http://edrev.asu.edu/brief/mar10.html#5>.

Ackerman, G. (2010). *Review of the book: The nature of technology*. Retrieved January 29, 2010, from <http://edrev.asu.edu/brief/feb10.html#1>.

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. (June 1, 2009). *Review of the book iBrain: Surviving the technological alteration of the modern mind*. Retrieved May 27, 2009, from <http://edrev.asu.edu/brief/june09.html#10>.

Ackerman, G. (2009). *The new starting line: 30 essential technology skills for the 21st century educator*. Rutland, VT: Rutland Central Supervisory Union.

Ackerman, G. (February 1, 2009) *Review of the book Brain and Culture*. Retrieved February 1, 2009, from <http://edrev.asu.edu/brief/feb09.html>.

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.

Blogger at <http://www.nelms.org/blog> (2007-2009)

Ackerman, G. (October 1, 2008) *Review of the book Disrupting class: How disruptive innovation will change the way the world learns*. Retrieved October 27, 2008, from <http://edrev.asu.edu/brief/oct08.html#3>.

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, Castleton State College, Castleton, VT.
- Ackerman, G. (1999). *Interviewing to understand technology*. Unpublished manuscript, Castleton State College, Castleton, VT.
- Ackerman, G. (1987). *The effects of pruning on lateral growth of Pinus resinosa*. Unpublished manuscript, University of Vermont, Burlington, VT.
- Ackerman, G., Offenhartz, S. & Green, A. (1985). *The effects of heavy metals on nodule formation in legumes*. Unpublished manuscript, University of Vermont, Burlington, VT.