

# Thomas C. Hammond

111 Research Drive  
Bethlehem, PA 18015  
(610) 758-3259  
hammond@lehigh.edu

---

## EDUCATION

Doctor of Philosophy, Instructional Technology 2004-2007  
Curry School of Education, University of Virginia Charlottesville, VA

- Graduate Fellow, Center for Technology & Teacher Education
- Visiting scholar, University of Barcelona, summer 2005
- Dissertation: *Media, Scaffolds, Canvases: A Quantitative and Qualitative Investigation of Student Content Knowledge Outcomes in Technology-Mediated 7th-Grade History Instruction.*

Bachelor of Arts, *cum laude*, Yale University 1990-1994  
▪ Major: History and International Studies New Haven, CT

## PROFESSIONAL EXPERIENCE

### Higher Education

College of Education, Lehigh University 2007-  
Assistant Professor, Bethlehem, PA  
Teaching, Learning, and Technology Program

#### Courses taught:

- TLT 394, "Teaching and Learning with Geospatial Tools": Designed and conducted course exploring GPS, GIS, and visualization tools such as Google Earth for both formal and informal instructional settings.
- TLT 412, "Social Studies in Elementary Education": Revised syllabus and assignment list to reflect an emphasis on purposeful technology integration, moved course website to wiki platform.
- TLT 431, "Social Studies in Middle Level and High School Education": Designed and conducted course focusing on concepts of powerful social studies and purposeful technology integration.
- TLT 450, "Technology in School Settings": Designed and conducted seminar anchored in field projects integrating technology into K-12 settings.
- TLT 470, "Integrating Technology in the Classroom": Designed and conducted course of readings in educational technology literature and exploration of emerging technological tools for instruction.

Supervisory responsibilities: Advisor to undergraduate, master's, and doctoral students.

Curry School of Education, University of Virginia 2004-2007  
Graduate Fellow and Teaching Assistant, Charlottesville, VA  
Center for Technology and Teacher Education

#### Courses taught:

- EDLF 345, "Teaching with Technology": Taught sections specializing in Elementary & Special Education and Secondary Humanities (Language Arts, Foreign Language, English as a Second Language, and Social Studies). Re-designed curriculum, revised syllabus and assignment list, moved course website to wiki platform.
- EDLF 589, "Digital Storytelling Institute": Taught section specializing in digital narratives in the social studies. Created syllabus and

assignments, developed hybrid online and face-to-face format for working with in-service teachers.

- EDIS 534, “Elementary Social Studies Methods” (teaching assistant to Professor Patrice Grimes): Assisted planning for technology-integrated instruction, conducted class discussions of technology and pedagogy, assisted with research design and implementation.
- EDIS 201/288 “Teaching as a Profession” (guest instructor): Taught technology sessions. Created syllabus and assignments, graded student work.

Supervisory responsibilities

- Lead instructor for EDLF 345: Assigned instructors and rooms, supervised software requests, consultant to other instructors.
- Coordinator for EDIS 201/288 sections: Arranged staffing, room assignments, and equipment.

## K-12

**American International School of Jeddah** 2002-2004  
Jeddah,  
Saudi Arabia  
Taught AP Economics and Computer Science; served as Educational Technology Coordinator and Technology Department Chair.

**Union School Haiti** 2000-2002  
Port-au-Prince,  
Haiti  
Taught Social Studies and Language Arts; served as Educational Technology Coordinator and Technology Department Chair.

**Saint Xavier High School** 1994-2000  
Cincinnati, OH  
Taught Social Studies and Language Arts. Directed Summerbridge program, serving under-represented youth throughout Cincinnati: recruited talented high school- and college-age staff and middle-school student body, conducted staff training, oversaw budget, reported to board, located housing for out-of-town staff, supervised school-year tutoring program, served as advocate and mentor for students, staff, and alumni.

## AWARDS

**Outstanding Graduate Teaching Assistant, 2005-2006**  
Department of Leadership, Foundations, and Policy  
Curry School of Education, University of Virginia

**Outstanding Doctoral Student, 2006-2007**  
Department of Leadership, Foundations, and Policy  
Curry School of Education, University of Virginia

## PUBLICATIONS

### Publications in Peer-Reviewed Journals

Bodzin, A., Hammond, T., Carr, J., & Calario, S. (2009, August). Finding their way with GIS. *Learning and Leading with Technology*, 34-35.

Hammond, T. C., & Manfra, M. M. (2009). Giving, prompting, making: Aligning technology and pedagogy within TPACK for social studies

instruction. *Contemporary Issues in Technology and Teacher Education* [Online serial], 9(2), 160-185. Retrieved from <http://www.citejournal.org/vol9/iss2/socialstudies/article1.cfm>

Hammond, T., & Bodzin, A. (2009). Teaching *with* rather than *about* Geographic Information Systems. *Social Education*, 73(3), 119-123.

Manfra, M., & Hammond, T. (2008). Teachers' instructional choices with student-created digital documentaries: Case studies. *Journal of Research on Technology in Education*, 41(2), 223-245.

Bull, G., Hammond, T., & Ferster, B. (2008). Developing Web 2.0 tools for support of historical inquiry in social studies. *Computers in the Schools*, 25(3), 275-287.

Hammond, T. (2007). A task-oriented framework for stand-alone technology integration classes. *Journal of Computing in Teacher Education*, 23(4), 153-158.

Ferster, B., Hammond, T., & Bull, G. (2006). PrimaryAccess: Creating digital documentaries in the social studies classroom. *Social Education*, 70(3), 147-150.

Hammond, T. (In press). "So what?" Students' articulation of civic themes in middle-school digital documentary projects. *The Social Studies*.

Hammond, T.C., & Manfra, M.M. (In press). Digital history with student-created multimedia: Understanding student perceptions. *Social Studies Research & Practice*.

### **Publications Under Review**

Ferster, B., Hammond, T.C., Alexander, C., & Lyman, H. (Under review). Automated formative assessment as a tool to scaffold student documentary writing. Submitted to *Journal of Educational Computing Research*.

Manfra, M.M., & Hammond, T.C. (Under review). From personal pastime to curricular resource: The case of digital documentaries in the social studies. Submitted to R. Diem & M. Berson, *Technology in retrospect: Social studies' place in the Information Age 1984-2009*. Charlotte, NC: Information Age Publishing.

### **Published Solicited Articles**

Hammond, T., & Lee, J. (2009, June/July). From watching newsreels to making videos. *Learning and Leading with Technology*, 32-33.

Hammond, T. (2009, March/April). Wikipedia: Friend or foe? (Point/Counterpoint). *Learning and Leading with Technology*, 8-9.

Hammond, T. & Bull, G. (2007). Using digital images: Teaching with Flickr. *Virginia Journal of Education*, 100(4), 28.

Bull, G., Garofalo, J., & Hammond, T. (2006). Connecting to open educational content. *Learning and Leading with Technology*, 34(1), 12-

### Book Chapters

Bull, G., & Hammond, T. (2008). The Future of eLearning in K-12 schools. In H.H. Adelsberger, Kinshuk, J.M. Pawlowski, & D.G. Sampson (Eds.), *Handbook on information technologies for education and training* (2<sup>nd</sup> ed., pp. 345-361). New York, NY: Springer.

Bull, G., Bell, L., & Hammond, T. (2008). Advancing TPCK through collaborations across educational associations. In P. Mishra & M. Koehler (Eds.), *The handbook of technological pedagogical content knowledge for teaching and teacher educators* (pp. 273-287). Mahwah, NJ: Lawrence Erlbaum Associates, Publishers.

Bull, G., Hammond, T., & Grimes, P. (2007). Podcasting in the social studies classroom. In Bennett, L., & Berson, M. (Eds.), *Digital Age: Technology-based K-12 lesson plans for social studies*. Silver Spring, MD: National Council for Social Studies.

Hammond, T., & Sebastian, R. (2005). Digital images and video editing software. In G. Bull & L. Bell (Eds.), *Teaching with digital images: Acquire-analyze-create-communicate* (pp. 29-42). Eugene, OR: International Society for Technology in Education.

Hammond, T., & Lee, J. (In press). Integrating digital video into social studies instruction. G. Bull & L. Bell (Eds.), *Teaching with digital video*. Eugene, OR: International Society for Technology in Education.

Hammond, T., & Ferster, B. (In press). Student-created digital historical narratives in the classroom: Research designs and methods. In J. Lee & A. Friedman (Eds.), *Research in social studies and technology*. Greenwich, CT: Information Age Press.

### GRANTS

**Faculty Research Grant, Lehigh University, 2007**

“Developing middle school students' geospatial skills in a technology class”: Received competitive \$2,500 grant to research the development and implementation of an inquiry-driven, geospatial thinking curriculum for 7<sup>th</sup>-grade students in technology class.

**Jesse Ball DuPont Foundation, 2007.**

Received competitive \$150,000 grant to research learning outcomes from student authorship of multimedia in K-12 history instruction.

**International Leadership in Educational Technology, 2005.**

Received competitive \$2000 grant for Spanish language training and travel as a visiting scholar at University of Barcelona.

### CONFERENCE

**Refereed (Peer-Reviewed) International Conference Presentations**

## PRESENTATIONS

Hammond, T., Ferster, B., & Manfra, M. (2009, June). *Showing, Inquiring, and Doing History: Thinking Deeply with Web-based Tools*. Presented as a Lecture at the National Educational Computing Conference (NECC), Washington, DC.

Hammond, T., & Lee, J. (2009, June). *Teaching with Digital Video in the Social Studies Classroom*. Presented as a Lecture at the National Educational Computing Conference (NECC), Washington, DC.

Hammond, T., Keeler, C., Manfra, M., Lee, J., & Friedman, A. (2009, April). *Epistemology Is Elementary: Historical Thinking in Social Studies Methods Courses via Critical Inquiries of Wikipedia Entries*. Presented as a Paper Discussion at the American Educational Research Association (AERA) annual meeting, San Diego, CA.

Manfra, M., Friedman, A., Hammond, T., Lee, J. (2009, March). *Peering Behind the Curtain: Digital History, Historiography, and Secondary Social Studies Methods*. Presented as a Brief Paper at the Society for Information Technology and Teacher Education (SITE) annual conference, Charleston, SC.

Lee, J., & Hammond, T. (2009, March). *Watching, Analyzing, and Creating: Teachers using Digital Video in Social Studies*. Presented as a Panel at the Society for Information Technology and Teacher Education (SITE) annual conference, Charleston, SC.

Bull, G., Hammond, T., & Alexander, C. (2008, October). *Student Creation of Digital Documentaries in History Classrooms: Research Findings*. Presented as a Lecture in the Prove It strand of the K12 Online Conference.

Hammond, T., Friedman, A., & Manfra, M. (2008, June). *Wikipedia in the Social Studies Classroom: Beyond Information Seeking*. Presented as a Lecture at the National Educational Computing Conference (NECC), San Antonio, TX.

Hammond, T., & Manfra, M. (2008, June). *Sharing Designs: Student Creation of Digital Documentaries with PrimaryAccess*. Presented as a Workshop at the National Educational Computing Conference (NECC), San Antonio, TX.

Hammond, T. (2008, March). *"So what?" Students' Articulation of Civic Themes in Middle-School Digital Documentary Projects*. Presented as a Brief Paper at the conference of the Society for Information Technology and Teacher Education (SITE) annual conference, Las Vegas, NV.

Hammond, T. (2008, March). *Scaffolded vs. Unscaffolded Digital History Projects: A Quasi-Experiment in a Middle School History Classroom*. Presented as a Brief Paper at the conference of the Society for Information Technology and Teacher Education (SITE) annual conference, Las Vegas, NV.

Hammond, T., Manfra, M., Friedman, A., Keeler, C., & Metan, D. (2008, March). *Epistemology Is Elementary: Historical Thinking as Applied*

*Epistemology in an Elementary Social Studies Methods Class*. Presented as a Brief Paper at the conference of the Society for Information Technology and Teacher Education (SITE) annual conference, Las Vegas, NV.

Alexander, C., Broome, J., & Hammond, T. (2008, March). *TPCK and the Wisdom of Practice: The Impact of Field Trials on Digital History Projects Using PrimaryAccess*. Presented as a Brief Paper at the Society for Information Technology and Teacher Education (SITE) annual conference, Las Vegas, NV.

Park, J., & Hammond, T. (2008, March). *An Updated Approach to Using Digital Video in Content Area Education, Part 1*. Presented as Symposium at the conference of the Society for Information Technology and Teacher Education (SITE) annual conference, Las Vegas, NV.

Park, J., & Hammond, T. (2008, March). *An Updated Approach to Using Digital Video in Content Area Education, Part 2*. Presented as a Symposium at the conference of the Society for Information Technology and Teacher Education (SITE) annual conference, Las Vegas, NV.

Manfra, M., & Hammond, T. (2007, November). *Teachers' Instructional Choices with Student-created Digital Documentaries: Case Studies*. Presented as a Paper at the conference of the College and University Faculty Association of the National Council for the Social Studies (CUFA/NCSS), San Diego, CA.

Hammond, T. (2007, June). *Defining a Technology-supportive Environment: Preparing a Foundation for Research*. Presented as a Panel at the National Educational Computing Conference (NECC), Atlanta, GA.

Bull, G., & Hammond, T. (2007, June). *PrimaryAccess: Creating Digital Documentaries in the Social Studies Classroom*. Presented as a Workshop at the National Educational Computing Conference (NECC), Atlanta, GA.

Alexander, R.C., Hammond, T., Jinks, S., & Pipes, D. (2007, April). *The Effectiveness of an Online Collaborative Seminar in Advancing a Research Agenda*. Presented as an Individual Paper at the American Educational Research Association annual meeting, Chicago, IL.

Hammond, T., & McGlenn, M. (2007, March). *Digital Historical Narratives and the Social Studies Curriculum: Student Outcomes in Virginia Classrooms Using PrimaryAccess*. Presented as a Brief Paper at the Society for Information Technology and Teacher Education (SITE) annual conference, San Antonio, TX.

Hammond, T., & McGlenn, M. (2007, March). *PrimaryAccess: A Web 2.0 Digital Narrative Toolkit for History Education*. Presented as a Tutorial at the Society for Information Technology and Teacher Education (SITE) annual conference, San Antonio, TX.

Schrum, L., & Hammond, T. (2007, March). *SITE Fireside Chat #2: Issues and Strategies for Mentoring Doctoral Students in Instructional Technology*. Presented as a Panel at the Society for Information Technology and Teacher Education (SITE) annual conference, San

Antonio, TX.

Grimes, P., & Hammond, T. (2007, March). *Teaching Beyond State Standards: Using Technology to Enhance Elementary Teachers' Social Studies Preparation*. Presented as a Roundtable at the Society for Information Technology and Teacher Education (SITE) annual conference, San Antonio, TX.

Pipes, D., Murphy, J., Midland, S., Alexander, C., Downey, B., Kelley, M., & Hammond, T. (2007, March). *Using Digital Video Across the Disciplines*. Presented as a Panel at the Society for Information Technology and Teacher Education (SITE) annual conference, San Antonio, TX.

Schrum, L., Bielefeldt, T., Magner, T., Hammond, T., & Albaugh, S. (2006, July). *Facilitating Effective Technology Research in the Core Content Areas*. Presented as a Concurrent Session at the National Educational Computing Conference (NECC), San Diego, CA.

Pierson, M., Albaugh, S., Christensen, R., Hammond, T., Kajder, S., Knezek, G., & Neiss, M. (2006, July). *Developing Key Research Questions for Technology and Core Content Disciplines*. Presented as a Concurrent Session at the National Educational Computing Conference (NECC), San Diego, CA.

McGlenn, M., Hammond, T., Friedman, A., Bolick, C. M., Bull, G., Ferster, B. Hicks, D., Lee, J., Calandra, B., Doolittle, P., Ewing, T. (2006, March). *Digital History in Social Studies Teacher Education: Practices, Promises, and Provisos, Part 1*. Presented as a Symposium at the Society for Information Technology and Teacher Education (SITE) annual conference, Orlando, FL.

McGlenn, M., Hammond, T., Friedman, A., Bolick, C. M., Bull, G., Ferster, B. Hicks, D., Lee, J., Calandra, B., Doolittle, P., Ewing, T. (2006, March). *Digital History in Social Studies Teacher Education: Practices, Promises, and Provisos, Part 2*. Presented as a Symposium at the Society for Information Technology and Teacher Education (SITE) annual conference, Orlando, FL.

## Other Presentations

Hammond, T.C. (2009, June). *GIS and Google Earth in Light-Weight, Scaffolded Approaches to Geospatial Tools & Inquiry*. Presented at the James F. Ackerman Center for Democratic Citizenship Colloquium on Technology and Citizenship, Purdue University, West Lafayette, IN.

Hammond, T.C. (2009, June). *Primary Access: Overview of Research and Directions for Future Study*. Presented at the James F. Ackerman Center for Democratic Citizenship Colloquium on Technology and Citizenship, Purdue University, West Lafayette, IN.

Manfra, M., & Hammond, T. (2008, September). *PrimaryAccess: Digital Documentaries*. Presented to the New Literacies Collaborative meeting at the Friday Institute, North Carolina State University, Raleigh, NC.

Hammond, T. (2008, May). *Google Earth, GPS, and KML via Geospatial*

*Inquiry*. Presented to the Lehigh Valley Computer Science Teachers Association meeting, Lehigh University, Bethlehem, PA.

Hammond, T. (2008, March). *Geocaching and Geospatial Inquiry with GPS, Google Earth, and GIS: Modeling Technology Integration*. Presented to the Kuwaiti Principals' Training Institute, Lehigh University, Bethlehem, PA.

Hammond, T. (2007, July). *Reflective, Competent, and Concerned Citizens in the History Classroom: Seventh-grade students' inclusion of citizenship themes in digital history project*. Presented at the James F. Ackerman Center for Democratic Citizenship Colloquium on Technology and Citizenship, Purdue University, West Lafayette, IN.

Hammond, T. (2007, February). *Persistent Issues in the K-12 history Curriculum*. Presented in HIUS 401, "Digital History Seminar," University of Virginia, Charlottesville, VA.

Bull, G., & Hammond, T. (2007, February). *Teaching with Digital Images*. Online interactive seminar hosted by the International Society for Technology in Education.

Hammond, T. (2006, September). *Online Rubrics & Rating Systems*. Presented at the National Technology Leadership Summit, Washington, DC.

Hammond, T. (2006, August). *Teaching with Student-Created Online Digital Video Using PrimaryAccess & DigitalStoryteller*. Presented at Arlington Public Schools, Arlington, VA.

## Workshops

Union School Haiti, Port-au-Prince, September, 2008.  
Integrating Technology into Classroom Instruction.  
Developed and implemented 2-day workshop for entire teaching staff (approximately 50 teachers, K-12). Exhibited and guided hands-on work with wikis, slideware, digital cameras, and digital movie-making.

Centennial School of Lehigh University, Bethlehem, PA, September, 2008.  
Introduction to SmartBoards.  
Developed and implemented 90-minute workshop on SmartBoards for teachers of special-needs students.

Ackerman Center for Democratic Citizenship, Purdue University, West Lafayette, IN, June, 2008.  
Integrating Digital Primary Sources in the Classroom.  
Working with Dr. Phil VanFossen and Dr. Adam Friedman, developed and conducted week-long workshop for 19 elementary and middle school teachers on teaching with primary sources using image sets, wikis, and online digital documentary makers.

Arlington Public Schools, Arlington, VA, January, 2007.  
Integrating PrimarySourceLearning and PrimaryAccess.  
Developed and conducted 8-hour workshop for 15 teachers from the Arlington and Fairfax school systems on teaching with primary sources,

scaffolding student writing tasks, and using an online digital video editor to develop and display student products.

Arlington Public Schools, Arlington, VA, August, 2006.

Teaching with PrimaryAccess and DigitalStoryteller.

Developed and conducted 1-hour workshop for 100 secondary teachers on using online digital video editors for social studies and language arts instruction.

Tidewater Community College, Norfolk, VA, June, 2006.

Local history through PrimaryAccess.

Developed and conducted 18-hour workshop in web-based digital primary source use and digital documentary creation for 75 teachers from the Portsmouth and Norfolk school systems as part of a Teaching American History grant through Tidewater Community College.

Virginia Beach Public Schools, Virginia Beach, VA, February, 2006.

Social collaborative tools and web-based media in the classroom.

Developed and conducted 1-hour workshop for 20 teachers for the Virginia Center for Digital History.

Center for Technology and Teacher Education, University of Virginia, Charlottesville, VA, June 2004.

Digital Storytelling Institute.

Assisted a bilingual digital storytelling workshop for 20 educators from the Caribbean and Central America in an Alianza para Educacion (Microsoft Partners in Learning program, Caribbean-Central America division) professional development initiative.

## **SERVICE**

### **Service to the Profession**

Co-editor of Contemporary Issues in Technology and Teacher Education (CITE journal), General Research section, 2009-present.

Information Officer for the Technology as an Agent of Change in Teaching and Learning (TACTL) Special Interest Group of the American Educational Research Association, 2009-present.

Podcaster and note-taker at the National Technology Leadership Summit, 2004-2006. Recorded and posted notes from discussions, conducted and posted interviews with key participants.

Note-taker for National Council for History Education white paper authored by Ed Ayers

### **Service to K-12 Teachers, Schools, and Students**

Presented on Google Earth, GPS, and KML via geospatial inquiry for the Lehigh Valley Computer Science Teachers Association, May, 2008.

Presented Webinar on teaching with digital images across the content areas on Tapped In, February, 2007.

Conducted online training sessions on web-based digital video editors for classroom instruction on Tapped In, September, 2006.

Participated in “Schools of the Future” panel at the Institute for Advanced Learning and Research, April, 2005.

Conducted a needs assessment for the Blue Ridge Virtual Governor’s School as they implemented a new distance-education course in engineering, November, 2004.

### **Service to College/University Community**

Member of Mentoring Committee, Lehigh University College of Education, 2008-present.

Coordinated University of Virginia graduate instructor participation in the Teacher Education Goes into Virtual Schooling project, planning new teacher education curriculum to prepare teacher education candidates for participation in virtual schooling, 2005-2006.

Prepared and delivered workshops to Curry School of Education faculty on use of wikis and online community tools as part of Faculty Development series, 2005.

### **CERTIFICATES AND PROFESSIONAL ASSOCIATIONS**

Certified social studies teacher (grades 6-12) in VA.

Member, International Society for Technology in Education (ISTE).

Member, Society for Instructional Technology in Teacher Education (SITE).

Member, College and University Faculty Assembly (CUFA).

Member, National Council for the Social Studies (NCSS).

Member, American Educational Research Association (AERA).