

Carl Heine

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Education

Ph.D, Education
University of Chicago, 1987 - 1997
Collaborated with Mihaly Csikszentmihalyi on the study of Flow in Mathematics and Learning

M.A, Education
Wheaton College, 1985 - 1987

B.A, Christian Education
Lutheran Bible Institute, 1976 - 1978

B.A, Music
University of Washington, 1971 - 1976

Dissertation

Task Enjoyment and Mathematical Achievement (1997)
Committee: Mihaly Csikszentmihalyi (chair), Phillip Jackson, Anthony Bryk, Thomas Trabasso

Awards and Grants

Lederman Scholar, Illinois Mathematics and Science Academy (2014)
University of Chicago School Mathematics Project Grant (1995)
Century Scholar, University of Chicago (1987 - 1990)
Larry Richards Award for Creativity, Wheaton College Graduate School (1987)

Publications and (representative) Presentations

Heine, C., Gerry, J. & Sutherland, L. (2015). Technology Education for High Ability Students, In Dixon, F. & Moon, S. (Ed.) *The Handbook for Secondary Gifted Education* (pp. 367 - 390). Waco, TX: Prufrock Press.

Heine, C. & Gerry, J. (2015) The New STEM Education: Students as Creators [ICE Conference workshop, Chicago, IL]. Retrieved from <https://coolhub.imsa.edu/web/talent-in-a-box/>

Heine, C. (2014). Teaching Information Fluency [Conference Workshop]. Retrieved from <https://coolhub.imsa.edu/web/teaching-information-fluency/>

Heine, C. & O'Connor, D. (2014) *Teaching Information Fluency*. Lanham, MD: Scarecrow Press.

Heine, C. (2013). Five Mini-Lessons in Information Fluency [ISTE Conference Workshop, San Antonio, TX]. Retrieved from http://www.isteconference.org/2013/program/search_results_details.php?sessionid=80708368

Heine, C. & O'Connor, D. (2012). Information Fluency in the Classroom: Evaluation and Critical Thinking [Conference Presentation, San Diego, CA]. Retrieved from http://www.isteconference.org/2012/program/search_results_details.php?sessionid=69980771

Heine, C. (2011). Deconstructing the Test [Conference Presentation, Orlando, FL]. Retrieved from <http://21cif.com/rkitp/course/assessmentworkshop/deconstruct-the-test-problem.html>

Heine, C. & O'Connor, D. (2011). The Information Fluency Classroom in Action [ISTE Conference Workshop, Philadelphia, PA]. Retrieved from <https://sites.google.com/a/aajhs8.com/mrs-barr-s-class/blog/theinformationfluencyclassroominaction>

Heine, C. & Gerry, J. (2010). Web-based Collaborative Innovation: Beyond Web 2.0, Denver, CO].

Heine, C. & O'Connor, D. (2009). Information Forensics Goes to School, Washington, DC]. Retrieved from <http://21cif.com/rkitp/course/investigative-searching.html>

Heine, C. (2001). Three African Tunes for Organ. Larkin, MO: Morningstar Music Publishers.

Heine, C. (1993). Early American Melodies for Flute. Pacific, MO: Mel Bay.

Teaching Experience and Interests

Program Director, IMSA TALENT and CoolHub at Illinois Mathematics and Science Academy, 2013 – Present
Teaching entrepreneurship through the TALENT program; responsible for the CoolHub and Mentor Matching Engine technical platform development and operations

Managing Partner, 21st Century Information Fluency Project (Information Fluency)

2004 - Present

Information Fluency provides resources and training to improve the digital information literacy of youth and adults. Principal subscribers are Librarian Media Specialists and Teachers, middle school through higher education

Lead Innovation Architect at Illinois Mathematics and Science Academy, 2009 - 2013

Responsible for the design and development of online learning and social media applications, including CoolHub.IMSA

Program Director, 21st Century Information Fluency Project at Illinois Mathematics and Science Academy, 2007 - 2009

Responsible for project management, curriculum design, professional development and 21CIF Website

Program Specialist, 21st Century Information Fluency Project at Illinois Mathematics and Science Academy, 2004 - 2007

Responsible for curriculum design professional development and 21CIF Website

Program Director, Illinois International Career Academy at Illinois Mathematics and Science Academy, 2001 – 2004

Established and directed the capstone experience for the Illinois International High School Initiative

Director, Center for Youth Education at College of DuPage, Glen Ellyn, IL, 1999 – 2001

Directed the operation, outreach, staffing of Center programs, including Kids on Campus, Teens on Campus and Talent Search (10,000 students enrolled annually)

Director of Music at St.Paul Lutheran Church

September 1985 - Present

Organist and Music Director at St. Paul Lutheran Church, Wheaton, IL

Languages

German, reading proficiency

Computer languages and related applications: Html, CSS, PHP, Javascript, ActionScript (Flash), Mysql

Memberships (none current)

Illinois School Library and Media Association (ISLMA)

Wisconsin Educational Media and Technology Association (WEMTA)

Illinois Computing Educators (ICE)

International Society for Technology in Education (ISTE)

American Society for Curriculum Development (ASCD)