



**Christine (Kit) Klein, Ph.D.**  
**Director**  
**Insight for Learning Practices LLC**

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### **Highlights of Activities**

*External Evaluation of STEM Education Programs.* Led the evaluation of the Society for Science and the Public's Advocate Grant Program (2016-2017). Led the evaluation of the Youth Exploring Science (YES) program at the St. Louis Science Center and co-creation of a website for professional development of STEM educators in informal learning settings (Community STEM Outreach project, 2010-2013).

Conducted the external evaluation of a high school youth program in seven sites: St. Louis, St. Paul, and five partnering sites (the Learning Places project, 2005-2009).

*Impact Study of STEAM Programming.* From 2014-2015, conducted an impact study on a youth work-based skills development program, St. Louis ArtWorks, funded by the St. Louis Children's Service Fund. Led the development and validation of an instrument to measure the program's impact on the well-being of the youth participants (high school, urban youth, most from underserved communities in St. Louis) as part of the project.

*Research At the Crossroads of Informal and Formal Learning.* Conducted research within the professional development group of the Center for Inquiry in Science Teaching and Learning (CISTL), an NSF-funded Center for Learning and Teaching (ESI-0227619), focusing on links between informal and formal STEM learning and the professional development of teachers by informal science institutions, 2003-2005.

*Curriculum Development.* Collaborated with teachers, researchers, museum staff, and business partners to create integrated Schools for Thought units and best practices for middle school youth, 1999 to 2002, with funding from the James S. McDonnell Foundation. Units for the Compton-Drew Investigative Learning Center in St. Louis focused on utilizing museum resources to motivate and enhance learning.

*Presentations.* Over 25 sessions and workshops at conferences (NSTA, NARST, AERA, ASTC, AAM, ATE, and others) since 1994 on topics related to STEM learning and the links between formal and informal learning environments.

*Writing and Editing.* Projects include teachers' guides, STEM curricula, grant proposals, evaluation reports, professional journal articles, and book chapters.

### **Selected Skills/Services**

- Evaluation
- Research
- Grant Writing
- Editing (Articles, Reports, Grant Proposals)
- Program Development
- Curriculum Development
- Professional Development
- Team Building & Leadership Activities
- Writing (Teacher's Guides, Curriculum, Copy, Articles, Books)

### **Education**

1994 Washington University, St. Louis, Missouri  
Ph.D. in Educational Research

1984-1986 University of Texas School of Public Health, Houston, Texas  
Postgraduate studies in Human Ecology and Epidemiology

1983 George Williams College now Aurora University, Chicago, Illinois  
Master of Science in Environmental Education and Interpretive Services Administration

1982 Texas Christian University, Fort Worth, Texas  
Bachelor of Science in Environmental Science and secondary science teacher certification

## **Certifications**

Mental Health First Aid USA through the National Council for Behavioral Health (2014-2017)

Certified Grant Writer® through American Grant Writers Association (2011 – 2016)

Texas Teacher Certification, Science, grades 6-12 (1982, no expiration)

## **Professional and Academic Experience**

2016-present Director, Insight for Learning Practices LLC  
2005-2015 Principal, Klein Consulting  
2004-2005 Senior Research Scientist, St. Louis Center for Inquiry in Science Teaching and Learning at Washington University in St. Louis  
2002-2004 Principal Investigator, St. Louis Center for Inquiry in Science Teaching and Learning at Washington University in St. Louis  
2001-2004 Clinical Associate, Office of Field Experiences and Student Teacher Placement, Department of Education, Washington University in St. Louis  
2001-2002 Principal Investigator, St. Louis Center for Learning and Teaching in Informal Settings at the St. Louis Science Center  
1994-2001 Researcher/Principal Investigator, Schools for Thought, St. Louis Science Center  
1994 Educational Consultant and Author, St. Louis Science Center  
1994 Adjunct Faculty, Computer Science, Fontbonne University  
1993-1994 Outside Participant/Observer, Individual Dynamic Evaluation of Assessment to Learn (I.D.E.A.L.) Program, Danforth Foundation and Pattonville School District, St. Louis  
1992-1993 Teaching Assistant, Educational Psychology, Washington University in St. Louis  
1990 Workplace Literacy Instructor, St. Louis Community College – Forest Park  
1987-1991 Information Systems Manager and Human Resources Director, Custom Automated Plastics Systems, Fenton, MO  
1986-1987 Systems Analyst, Comprehensive Rehabilitation Center - Houston  
1983-1984 Earth/Life Science Teacher, Grades 6-8, Houston ISD, Houston, TX

## **Grant-funded Roles**

2016-2017 External Evaluator, Advocate Grant Program at the Society for Science and the Public  
2016-2017 Co-Principal Investigator, *Roads Taken – Long-term Impacts of STEM Youth Programs: Conference* through the Association for Science-Technology Centers, Wendy Handcock, PI, Carey Tisdal, Co-PI, National Science Foundation  
2014-2015 Researcher, St. Louis ArtWorks Program, Children's Service Fund  
2013-2014 External Evaluator, "Encouraging Women in STEM as a Career Choice: Innovative Methods in Promoting Climate, Weather, and Math Literacy to an all-Girl Middle School", Timothy Eichler, PI, St. Louis University President's Research Fund  
2010-2013 External Evaluator and Researcher, "Community STEM Outreach Program," Diane Miller, PI, Office of Naval Research  
2005-2009 External Evaluator, "Teenage Designers of Learning Places for Children," Diane Miller, PI, National Science Foundation  
2002-2004 Principal Investigator and Project Director, "St. Louis Center for Inquiry in Science Teaching and Learning," with Co-PIs B. Addelson, P. Balcerzak, J. Jordan, W Tate, National Science Foundation  
2001-2002 Principal Investigator, "St. Louis Center for Learning and Teaching in Informal Settings," with Co-PI's B. Addelson, P. Balcerzak, J. Jordan, National Science Foundation  
1998-2001 Principal Investigator, "Schools for Thought Curriculum Development: Expanding our Capacity to Improve Student Learning," Co-PI M. Keefer, James S. McDonnell Foundation  
1996-1999 Principal Investigator for no-cost extension, "Schools for Thought in St. Louis: A Model for Development and Dissemination," with Co-PI's C. Valenta, C. Ward and A. Walker, James S. McDonnell Foundation  
1995-1999 PI for no-cost extension, "Schools for Thought," James S. McDonnell Foundation