



Christine (Kit) Klein, Ph.D.
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Highlights of Activities

External Evaluation of STEM Education Programs. Led the evaluation of the Society for Science's Advocate Grant Program (2016-2019) and Lemelson Early Inventor Prize Program (2019-2022). Led the evaluation of the Youth Exploring Science (YES) program at the St. Louis Science Center and co-created 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. Conducted an impact study on a youth work-based skills development program, St. Louis ArtWorks (2014-2015). Led the development and validation of an instrument to measure the program's impact on the well-being of the youth.

Research. Current Co-PI and researcher on Roads Taken: A Retrospective Study of Program Strategies and Long-term Impacts of Intensive, Multi-year, STEM Youth Programs, funded by the National Science Foundation (2019-2023). Conducted research within the professional development group of the Center for Inquiry in Science Teaching and Learning (CISTL), focusing on links between informal and formal STEM learning and the professional development of teachers by informal science institutions, 2003-2005.

Virtual Conference Coordination. Served as Co-PI and Conference Coordinator for Mapping Connections Between STEM and Social-Emotional Development (SED): Innovating Assessment and Data Systems for Research and Practice (2020) and as Co-PI and co-host for Roads Taken – Long-term Impacts of STEM Youth Programs: Conference. Both conferences received NSF funding.

Curriculum Development. Collaborated with teachers, researchers, museum staff, and business partners to create integrated Schools for Thought units for middle school youth, 1999 to 2002. Units focused on utilizing museum resources to motivate and enhance learning.

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

New Games Leader (2019, no expiration)

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

- 2020-2023 External Evaluator, *Thriving Together*, IMLS # MA-245850-OMS-20.
- 2019-2023 Co-PI & Researcher, *Roads Taken: A Retrospective Study of Program Strategies and Long-term Impacts of Intensive, Multi-year, STEM Youth Programs*, NSF # 1906396.
- 2019-2022 External Evaluator, Lemelson Early Inventor Prize Program at the Society for Science
- 2020 Co-PI & Conference Coordinator, *Mapping Connections Between STEM and Social-Emotional Development (SED): Innovating Assessment and Data Systems for Research and Practice*, NSF # 1940155.
- 2016-2019 External Evaluator, *Advocate Grant Program* at the Society for Science
- 2016-2017 Co-Principal Investigator, *Roads Taken – Long-term Impacts of STEM Youth Programs: Conference*, NSF #1644479.
- 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*, St. Louis University President's Research Fund
- 2010-2013 External Evaluator and Researcher, *Community STEM Outreach Program*, Office of Naval Research
- 2005-2009 External Evaluator, *Teenage Designers of Learning Places for Children*, NSF #0515572.
- 2002-2004 Principal Investigator and Project Director, *St. Louis Center for Inquiry in Science Teaching and Learning*, NSF # 0227619
- 2001-2002 Principal Investigator, *St. Louis Center for Learning and Teaching in Informal Settings*, NSF #0119750
- 1998-2001 Principal Investigator, *Schools for Thought Curriculum Development: Expanding our Capacity to Improve Student Learning*, James S. McDonnell Foundation
- 1996-1999 Principal Investigator for no-cost extension, *Schools for Thought in St. Louis: A Model for Development and Dissemination*, James S. McDonnell Foundation