

SUSANNAH K. SANDRIN
Clinical Professor
New College of Interdisciplinary Arts & Science, ASU

EDUCATION

2001	University of Arizona	Ph.D. Soil, Water & Environmental Science
1998	University of Arizona	M.S. Hydrology
1996	Rutgers University	B.S. Chemical & Biochemical Engineering

EMPLOYMENT

Arizona State University, New College of Interdisciplinary Arts & Sciences

07/2022 – present: Clinical Professor (Full)

07/2016 – 06/2022: Clinical Associate Professor

01/2009 – 06/2016: Clinical Assistant Professor

- Joint appointment with MLF Teachers College (01/2009 – 06/2011)

Job Duties

- Environmental Justice concentration program lead duties
 - Curriculum approval and assessment of student performance
 - Propose new courses for concentration
- Coordinate, develop and teach online and in-person courses in environmental sciences, geology and chemistry (New College). Also, taught science education courses for pre-service teachers (MLF Teachers College)
- Chair and/or serve on departmental, college and university-level committees including search/hiring committees, bylaws, family resources board, service, teaching equity, new degree planning (such as environmental justice).
- Secure external funding (> \$7 million in awards to date) for STEM scholarships and science education research and outreach projects. Examples include:
 - NSF S-STEM collaborative grant between ASU and 3 MCCCDD partners, “Transfer to Interdisciplinary Sciences, TraIN” (~\$5 million), co-PI in charge of generation of knowledge
 - NSF S-STEM grant, expanded to include more partners, “TraIN 2.0”(\$1.5 million), PI
 - NSF Research on Gender in Science & Engineering, “Families and Science Program”, PI on collaborative grant
 - NSF Polar Science grant “BioArt”, study abroad scholarships for art & science students to pursue research in Arctic environments, co-PI.
 - Including funding from private organizations such as APS
- External evaluator of science education research projects funded by National Science Foundation
- Reviewer for journals and conferences

Silvergate Media (now Sony Entertainment), Octonauts TV Show
British Broadcasting Corporation, Octonauts video game

05/2018 – 2023: Hydrology consultant for Silvergate

09/2023 – 2024: Science consultant for BBC

- Part-time, intermittent

Job Duties

- Review science content in outlines and scripts for new episodes of a popular preschool aged science-based TV show and video game.

University of Wisconsin System & University of Wisconsin Oshkosh (UWO)

09/2003-10/2008: Director, UW System Women & Science Program (W&S)
Coordinator, UWO Science Outreach Program (SO)

01/2008 - 10/2008: Director, UWO Ronald McNair Scholars Program (RM)

- Full-time administrative position with multiple roles

Job Duties

- Reported directly to Dean at UWO & Provosts at UW System
- Supervised >20 staff and student workers across three programs
- Managed budgets and raised money to support programming and pay employees
- Developed, planned and hosted faculty development workshops to facilitate incorporation of student-centered, inclusive pedagogies in STEM (W&S)
- Secured funding from NSF to produce a faculty-development video and national workshop for STEM teachers in grades 6-12 (W&S)
- Offered outreach programs for K-12 students in local schools and at UWO (SO)
- Managed operation and maintenance of planetarium (public & private shows, SO)
 - Secured funding from NASA for girls in astronomy program
- Coordinated and taught externally funded workshops for K-12 teachers
 - Such as “Children’s Literature and Science Program – CLASP”, to encourage science inquiry in early elementary environments using children’s literature (SO)
- Directed program that provided mentorship and summer research experiences for first-generation, low-income junior and senior college students interested in attending graduate school (RM)

COURSES TAUGHT & DEVELOPED

At ASU

ENV 200	Introduction to Justice in the Environment
ENV 201	Fundamentals of Environmental Science
ENV 410	Soil Science
BIO/ENV 130	Introduction to Environmental Sciences (online)
GLG 108	Water Planet (lecture and lab)
EED 411	Science in Elementary Schools (MLF Teachers College)
CHM 237	Organic Chemistry Lab
CHM 113	General Chemistry I Lab

ASU Continuing & Professional Education + Starbucks Global Academy Courses

Getting to Know Earth
A Sustainable Earth

Course Coordinator at ASU

BIO/ENV 130 Introduction to Environmental Sciences

- New College of Interdisciplinary Arts & Sciences, current duties
- Course coordinator/curriculum developer for multiple sections
- Serves ~3,000 students annually
- Reaches ASU local, ASU Online and non-ASU students as a Universal Learner course

SED 482/EED 529 Science Teaching Methods/Science in Elementary Schools

- MLF Teachers College, Fall 2010 – 2011

Prior to ASU

Science Inquiry for Teachers (graduate level)

Physical Geology

Chemistry: General, Organic, Biochemistry for Nursing, Quantitative Analysis

Introductory Microbiology

RECENT TRAINING for TEACHING

Inaugural Inclusive Teaching Workshop cohort, New College Teaching, Innovation and Excellence Coalition & Anti-Racism Coalition, Fall/Spring 2021/2022

Interdisciplinary Course-based Undergraduate Research Experiences (iCURE) Workshop, Online national workshop from ASU's New College sponsored by NSF grant, June 4-5, 2021

Master Class for Online Teaching, EdPlus at ASU, June 2020

New College Teaching Innovation and Excellence Workshops, 2018 – 2024

PUBLICATIONS

An asterisk () next to an author's name denotes an undergraduate student co-author.*

BOOK(S)

Sandrin, S. (editor), 2015 & 2016 update, Introduction to Environmental Sciences. Dubuque, Iowa, Kendall Hunt Publishing.

BOOK CHAPTERS

Sandrin, S., Cahill, T. (2017). Chapter 5, Chemical Reactions: Something new from something old. In Rillero, P. & Eddis, S. (editors). *Mastering the Science Content of the NES General Science Exam*. Anthem, AZ: Independent Variable

REFEREED JOURNAL ARTICLES

Sandrin, S., & Short-Meyerson, K. (2026). Formation of Children's Interests in Physical Versus Life Sciences: Significance of Parent, Gender and Ethnicity Influences. *Education Sciences*, 16(8), 1240. <https://doi.org/10.3390/educsci16081240>

Sandrin, S., Broatch, J., & Short-Meyerson, K. (2025). Role of Parent Language and Ethnicity on Family Science Problem-Solving Processes. *Education Sciences*, 15(12), 1573. <https://doi.org/10.3390/educsci15121573>

Short-Meyerson, K., **Sandrin, S.**, & Jimenez-Silva, M. (2024). Informal Elementary Science: Repertoires of Parental Support. *Education Sciences*, 14(6), 611. <https://doi.org/10.3390/educsci14060611>

Sandrin, S., Ball, B., & Arora, I. (2024). "Two Sides of the Same Coin": Benefits of Science–Art Collaboration and Field Immersion for Undergraduate Research Experiences. *Education Sciences*, 14(6), 620. <https://doi.org/10.3390/educsci14060620>

Dietrich SW, Cunningham AM and **Sandrin SK** (2024) Databases for STEM success: lessons learned. *Frontiers in Education*, 9:1414458. <https://doi.org/10.3389/educ.2024.1414458>

Sandrin, S., Nishimura, J., Sexton, M., Barbosa, S., Marshall, P., Chapman, A., McCarthy, N. and Tuohy, J. 2023. "I thought it was a little risky": Student perceptions of barriers to transferring even with financial, mentoring and articulation support. *Community College Journal of Research and Practice*.

Short-Meyerson, K., **Sandrin, S.**, Meyerson, P., White, L. 2019. "Don't Just Tell Me the Answer": Ethnicity, Gender and Parents' Science Scaffolding. *Journal of Latinos and Education*, <https://doi.org/10.1080/15348431.2019.1612397>

Short-Meyerson, K., **Sandrin, S.**, Edwards, C. 2016. Gender influences on parent-child science problem solving behaviors. *Journal of Research in Childhood Education*, **30 (3)**.

Brusseau, M., **Sandrin, S.**, Li, L., Yolcubal, I., Jordan, F., Maier, R. 2006. Biodegradation during contaminant transport in porous media: 8. The influence of microbial system variability on transport behavior and parameter determination. *Water Resources Research*, 42 (4). Journal Impact Factor: 3.7, 8 citations.

Sandrin SK, Brusseau ML, Piatt JJ, Bodour AA, Blanford WJ, Nelson NT. 2004. Spatial variability of in situ microbial activity: Biotracer tests. *Ground Water*, 42 (3): 374-383. Journal Impact Factor 1.95, 14 citations.

Jordan, F., **Sandrin, S.**, Frye, R., Brusseau, M., Maier, R. 2004. The influence of system complexity on bacterial transport in saturated porous media. *Journal of Contaminant Hydrology*, 74, 19-38. Journal Impact Factor: 2.95, 16 citations.

Sandrin, S. K.; Piatt, J.J.; Bodour, A.A.; Blanford, W.J.;and Brusseau, M. L. 2004. Characterizing variability and spatial distribution of in-situ microbial activity using biotracer tests. *Ground Water*, 42, 374-383. Journal Impact Factor 1.95, 14 citations.

Li, L., Yolcubal, I., **Sandrin, S.**, Hu, Q., Brusseau, M. 2001. Biodegradation during contaminant transport in porous media: 3. Apparent condition-dependency of growth-related conditions. Journal of Contaminant Hydrology, 50, 209-223. Journal Impact Factor: 2.95, 11 citations.

Sandrin, S.K.; Jordan, F.L.; Maier, R.M.; and Brusseau, M. L. 2001. Biodegradation during contaminant transport in porous media: 4. Impact of microbial lag and bacterial cell growth. Journal of Contaminant Hydrology, 50, 225-242. Journal Impact Factor: 2.95, 19 citations.

PUBLISHED CONFERENCE PROCEEDINGS

Feder, M., York, T., Taylor, J., **Sandrin, S.**, Batchelder, J. (2026, February 12-14). The Future of Low-Income STEM Scholars [Invited Conference Panel Presentation]. AAAS Conference, Phoenix, AZ, United States.
<https://aaas.confex.com/aaas/2026/meetingapp.cgi/Session/36546>

Sandrin, S., Short-Meyerson, K., Edwards, C. & Quinones-Diaz, R. (2020, Apr 17 - 21) "What's Your Hypothesis?" Influence of Topic, Ethnicity, and Gender on Fourth Graders' Science Performance [Poster Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/ukfbmpr> (In-person conference canceled)

Short-Meyerson, K., **Sandrin, S.**, *Quinones-Diaz, R. Language issues during parent-child interactions and the development of science skills, attitudes, and interests. 2017 Society for Research on Child Development Biennial Meeting, Austin, TX, April 2017.

Short-Meyerson, K., **Sandrin, S.**, Meyerson, P., White, L. Hispanic children's interactions with their parents during science problem solving. American Psychological Association 124th Annual Convention, Denver, CO, August 2016.

Trudel, A., **Sandrin, S.**, Short-Meyerson, K., Broatch, J., *Munden, S. The Influence of Parent STEM Experience on Children's Interests in and Understanding of STEM Majors and Careers. Association for Science Teacher Education International Meeting Conference Proceedings, Reno, NV, January 2016.

Messinger, K., Trudel, A. **Sandrin, S.** Short-Meyerson, K. Differential Parental Encouragement and Guidance during Science Problem Solving? Examining Implicit Biases Based on Gender and Ethnicity. Association for Science Teacher Education International Meeting Conference Proceedings, Reno, NV, January 2016.

Trudel, A., Manuel, T., **Sandrin, S.**, Short-Meyerson, K. Parent Questioning During Science Problem Solving of Elementary School-aged Children. Proceedings of the Arizona-Nevada Academy of Science 59th Annual Meeting, Glendale, AZ, April 2015.

Messinger, K., **Sandrin, S.** Short-Meyerson, K. Parent Behaviors Toward Elementary School-aged Children During Science Activities. Proceedings of the Arizona-Nevada Academy of Science 59th Annual Meeting, Glendale, AZ, April 2015.

Short-Meyerson, K., **Sandrin, S.**, Edwards, C. The Influence of Student Gender, Parent Gender, and Ethnicity on Science Interests and Attitudes. Association for Science Teacher Education International Meeting Conference Proceedings, San Antonio, TX, January 2014.

Sandrin, S., Borrer, C. Student Perceptions and Interest in Engineering: Effects of Gender, Race/Ethnicity, and Grade Level. American Society for Engineering Education International Conference Proceedings, Atlanta, GA, June 2013.

Sandrin, S. & Short-Meyerson, K. (2011). How parent and child gender influences children's attitudes and problem solving skills in science. Abstracts from Proceedings of the Annual National Association for Research in Science Teaching (NARST) International Conference (p. 151), Orlando, FL.

Short-Meyerson, K. **Sandrin, S.** Gender differences in how parents and their elementary school-age children solve science problems together. Association for Science Teacher Education 2011 International Conference Proceedings, January 2011.

Sandrin, S., Meyerson, P., Lemberger, J. Use of children's literature by K-12 teachers in a science inquiry unit. National Association for Research on Science Teaching Conference Proceedings, April 20, 2009.

Wellenstein, M., Courter, S., **Sandrin, S.,** Showers, K., Wilkins, L., Muller, C., Chou-Green, J., Bloor, A., Mayberry, L., Yap, I. MentorNet's Wisconsin and Hawaii Statewide Initiatives. American Society for Engineering Education Conference Proceedings, June 2007.

CONFERENCE PRESENTATIONS

Feder, M., York, T., Taylor, J., **Sandrin, S.,** Batchelder, J. (2026, February 12-14). The Future of Low-Income STEM Scholars [Invited Conference Panel Presentation]. AAAS Conference, Phoenix, AZ, United States.

<https://aaas.confex.com/aaas/2026/meetingapp.cgi/Session/36546>

Sandrin, S. Choose your own adventure in STEM: Exploring STEM careers and indirect pathways (workshop). AAAS S-STEM Conference, September 2023, Washington D.C.

Nishimura, J., **Sandrin, S.,** Stowers, R., Head, J., Pinon, W. 2023. Firsthand Accounts from STEM Transfer Scholarship Recipients. AZTransfer Summit, April 2023, Fort McDowell, AZ.

Sandrin, S., Chapman, A., Nishimura, J., Barnard, W., Sexton, M. 2022. Lessons Learned and Solutions Implemented Around "Transfer Hesitancy" in a Community College and ASU Partnership: Transfer to Interdisciplinary Natural Sciences (TraIN). AZTransfer Summit, April 2022, Fort McDowell, AZ.

Sandrin, S., Ball, B., Lerman, R. 2021. Science in Disguise: Merging Art and Science in Field-Based Experiences. National Science Teacher's Association, Los Angeles, CA, December 2021. Conference program at <https://my.nsta.org/conferences/sessions?id=2021los>

Sandrin, S., Ball, B., Lerman, R. 2021. Art and Travel Abroad: Influencing Student Goals, Environmental Interests and Conceptions of Science. National Association for Research in Science Teaching Conference, Orlando, FL, April 2021. Conference program at https://narst.org/sites/default/files/2021-04/NARST%202021%20Virtual%20Conference%20Program_FINALa.pdf

Sandrin, S., Short-Meyerson, K., Edwards, C. & Quinones-Diaz, R. (2020, Apr 17 - 21) "What's Your Hypothesis?" Influence of Topic, Ethnicity, and Gender on Fourth Graders' Science Performance [Poster Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/ukfbmpr> (In-person conference canceled)

Sandrin, S., Nishimura, J. Engaging and Supporting Community College Transfer Students in STEM. 2020 ASU Social Embeddedness Network Conference, Tempe, AZ (virtual due to Covid-19 pandemic), March 2020.

Ferry, L., Sandrin, T., Chapman, A., Barnard, W., **Sandrin, S.** Fund your transfer initiative: the value in aligning goals with federal funders for your vision,” Panel presentation. AZTransfer Summit, Scottsdale, AZ, April 2019.

Short-Meyerson, K., **Sandrin, S.,** *Quinones-Diaz, R. Language issues during parent-child interactions and the development of science skills, attitudes, and interests. 2017 Society for Research on Child Development Biennial Meeting, Austin, TX, April 2017.

Short-Meyerson, K., **Sandrin, S.,** Meyerson, P., White, L. Hispanic children’s interactions with their parents during science problem solving. American Psychological Association 124th Annual Convention, Denver, CO, August 2016.

Sandrin, S., Short-Meyerson, K., Edwards, C. Ethnicity and Gender Effects on Parent-Child Interactions During Science Activities. 2016 NSF ADVANCE/GSE Program Workshop: *Research, Interventions, Impact* in Baltimore, MD, May 2016.

Short-Meyerson, K., **Sandrin, S.** Increasing Diversity in STEM: Early Influence of Parents on Encouraging Children. INVITED. 22nd Annual Coalition for National Science Foundation (CNSF) Exhibition & Reception, Capitol Hill (Washington D.C.), April 2016.

Trudel, A., **Sandrin, S.,** Short-Meyerson, K., Broatch, J., *Munden, S. The Influence of Parent STEM Experience on Children’s Interests in and Understanding of STEM Majors and Careers. Association for Science Teacher Education International Meeting Conference Proceedings, Reno, NV, January 2016.

Messinger, K., Trudel, A. **Sandrin, S.** Short-Meyerson, K. Differential Parental Encouragement and Guidance during Science Problem Solving? Examining Implicit Biases Based on Gender and Ethnicity. Association for Science Teacher Education International Meeting Conference Proceedings, Reno, NV, January 2016.

Short-Meyerson, K., **Sandrin, S.** Parental involvement in developing children’s science interests and problem-solving skills: Influence of gender and ethnicity, Poster presented at the 2015 NSF ADVANCE/GSE Program Workshop “*Broadening Participation through Innovations for Institutional and Educational Transformations*”, May 2015, Baltimore, MD.

Trudel, A., Manuel, T., **Sandrin, S.,** Short-Meyerson, K. Parent Questioning During Science Problem Solving of Elementary School-aged Children. Proceedings of the Arizona-Nevada Academy of Science 59th Annual Meeting, Glendale, AZ, April 2015.

Messinger, K., **Sandrin, S.** Short-Meyerson, K. Parent Behaviors Toward Elementary School-aged Children During Science Activities. Proceedings of the Arizona-Nevada Academy of Science 59th Annual Meeting, Glendale, AZ, April 2015.

Sandrin, S., Short-Meyerson, K., *Stingley, C., *Quinones, M., *Baca, E., Edwards, C. Parental Influence on 4th Grade Children’s Science Involvement & Attitudes: Examining Gender & Ethnicity, Poster presented at the Society of Research on Child Development, 2015 Biennial Meeting, March 2015, Philadelphia, PA.

Short-Meyerson, K., **Sandrin, S.,** Edwards, C. The Influence of Student Gender, Parent Gender, and Ethnicity on Science Interests and Attitudes. Paper presented at the

Association for Science Teacher Education International Meeting, San Antonio, TX, January 2014.

Sandrin, S., Borror, C. Student Perceptions and Interest in Engineering: Effects of Gender, Race/Ethnicity, and Grade Level. Paper presented at the American Society for Engineering Education International Conference Atlanta, GA, June 2013.

Sandrin, S., Short-Meyerson, K. Parental influences on attitudes toward physical sciences and pre-engineering: Impact of gender, ethnicity, parent occupation and socioeconomic status. Women in Engineering Professional Advocacy Network Conference, Atlanta, GA, June 2013.

Sandrin, S., Short-Meyerson, K. How Parent and Child Gender Influences Children's Attitudes and Problem Solving Skills in Science. Paper presented at the National Association for Research on Science Teaching International Conference Proceedings, Orlando, FL, April 2011.

Short-Meyerson, K. **Sandrin, S.** Gender differences in how parents and their elementary school-age children solve science problems together. Paper presented at the Association for Science Teacher Education 2011 International Conference, January 2011.

Short-Meyerson, K., **Sandrin, S.** How parents and their 2nd and 4th grade children solve science problems together: Are there gender differences? University of Wisconsin System 34th Annual Women's Studies Consortium Conference, Whitewater, WI, April 2010.

Daniels, A., **Sandrin, S.** Ortega, O. STEM interest and self-efficacy in middle and high school students. New College of Interdisciplinary Arts and Sciences Undergraduate Student Research and Creative Projects EXPO, April 2010.

Bracamonte, J., **Sandrin, S.**, Ortega, O. Factors affecting student interest in STEM fields. Joint Mathematical Meetings, San Francisco, CA, January 2010.

Sandrin, S., Meyerson, P., Lemberger, J. Use of children's literature by K-12 teachers in a science inquiry unit. Paper presented at the National Association for Research on Science Teaching Conference, Anaheim, CA, April 20, 2009.

Sandrin, S., Salmon-Stephens, T. Engaging K-12 Educators in STEM Outreach. Inclusive Science Education Conference, St. Katherine's University, June 2008.

Wellenstein., M., Courter, S., **Sandrin, S.**, Showers, K., Wilkins, L., Muller, C., Chou-Green, J., Bloor, A., Mayberry, L., Yap, I. MentorNet's Wisconsin and Hawaii Statewide Initiatives. American Society for Engineering Education Conference Paper, Honolulu, HI, June 2007.

Sandrin, S., Meyerson, P., & Lemberger, J. Elementary and middle school teachers' views of teaching science topics as inquiry. Paper presented at the annual meeting of the North Central Association for Science Teacher Education, LaCrosse, Wisconsin, October, 2006.

Sandrin, S.K. Bridging the gap – encouraging more women to enter science and engineering. UW System Women's Studies Consortium Conference Presentation; Madison, WI, April 16, 2005.

Sandrin, S.K. Relating chemistry to earth and life sciences: Investigating buffer capacity. Wisconsin Society of Science Teachers; Appleton, WI, March 2004.

SELECTED GRANT-FUNDED PROJECTS

At ASU

Transfer to Interdisciplinary Natural and Mathematical Sciences (TraIN) 2.0.

Sandrin, S., Cunningham, A., Johnson, C., Marshall, P., Ferry, L. National Science Foundation, \$1,499,702. January 2023 – August 2028.

Collaborative Research: TRAIN (TRANSfer to Interdisciplinary Natural Sciences): A community college-university consortium to increase community college student transfer and success. Sandrin, T., Mooney, S., Ferry, L., Marshall, P., Sandrin, S. (co-PI) – at ASU. National Science Foundation, \$2,063,779 (ASU portion). September 2017 – August 2022

Polar (DCL- 16-119): BioArt Course in Arctic Finland for Undergraduates

Ball, B., Lehrman, R., Sandrin, S. (co-PI)

National Science Foundation, \$271,820

April 2017 – December 2021

ExSciTEAM: Exploring Science Technology Engineering Art and Math at ASU West
Starr, C., Sandrin, S.

APS Foundation, \$50,000

7/1/2019 – 6/30/2021

GSE/RES Collaborative proposal: How parents and their elementary school-age children solve science problems together: The role of gender and ethnicity.

S. Sandrin, **PI**.

National Science Foundation, Research on Gender in Science and Engineering

\$250,687 (ASU portion).

1/2/2013 – 12/30/2015.

ExSciTEM: Exploring Science Technology Engineering and Math at ASU West

S. Sandrin, **PI**.

Arizona Public Service Foundation, \$24,000.

2/1/2016 – 12/31/2016.

University of Wisconsin

Authentic Experiences in Scientific Inquiry for Pre-Service Teachers

Lizotte, M., Sandrin, S. (co-PI), Lemberger, J. & Meyerson, P.

UW System PK-16 Initiative: Teacher Quality Initiative, \$80,866

September 2007 – January 2009

Opportunities for Wisconsin Women in Science, Technology and Engineering

Sandrin, S., **PI**

National Science Foundation, Research on Gender in Science and Engineering

\$199,891

January 2006 – February 2008

Children's Literature and Science Program
Sandrin, S. (PI), Lemberger, J., Meyerson, P.
Wisconsin ESEA Title II Improving Teacher Quality
\$200,000
May 2005 – April 2008

SELECTED SERVICE

Professional Service

- Advisory Board Member, NSF-sponsored research project, “Comunidad de Ciencia: Building Latina STEM Interest through Community Cultural Wealth and Familial Project-Based Learning”, Short-Meyerson, K., Rillero, P., Jimenez-Silva, M., 2021 – 2025.
- External Reviewer, NSF-sponsored research project, “Family Support of Math and Science: Examining an Untapped Source of Resilience for Diverse High School Students”, Simpkins, S. and Eccles, J., 2019 – 2021.
- National Science Foundation grant review panel, 2021 & 2023.
- Manuscript Reviewer, PLOS One, Journal of Latinos & Education, Cultural Studies of Science Education, Journal of Geoscience Education, Sustainability, Education Sciences.
- Conference Proposal Reviewer, National Association of Research on Science Teaching & Association for Science Teacher Education

Outreach Efforts to External Community

- Recruiting visits to local community colleges for New College & TraIN project. 2022 – 2024.
- ASU West Open Door activity host (solar ovens). 2020, 2022, 2023
- Science/hydrologist Consultant for Octonauts (children's TV show), 2018 – 2023 & video game (2023 – current).
- Curriculum outreach for BioArt project. Supervised development of K-12 curriculum, and dissemination of materials to a local school. Working on ASU Barrett summer camp program for summer 2024. 2023 – 2024.
- “How to foster your child's interests in science and math” research outreach presentation at local libraries and schools
- Project Director, ExSciTEM (Exploring Science, Technology, Engineering and Math) & ExSciTE Summer Workshops for middle & high school students, ASU West campus, Summer 2016, 2013, 1012.
- Outreach half-day workshops with ExSciTEM curriculum for students in grades 3-8 at Norterra Canyon School, November 2016 & January 2017.
- College Liaison, Organizer & Host, Arizona Middle School Science Bowl. 2012, 2013, 2014, 2015, 2016 & 2017 Competitions.
- Event Coordinator, Arizona Rubik's Cube Competition, ASU West, Spring 2012 & 2013.

