

## Joëlle Genevieve Clark

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### Professional Preparation:

Northern Arizona University	Master of Arts in Science Teaching	MAST	2015
Northern Arizona University	Anthropology	MA	1990
Northern Arizona University	Recreation Resource Management (Natural Sciences for Educators – Geology Department)	BS	1985

### Post Degree Professional Learning and Certifications:

- Learning Forward Annual Conference. (December 6-10, 2014). Nashville, TN.
- Engineering is Elementary, Teacher Educator Institute Facilitator Training: (August & September 2014) DeKalb County School District, Atlanta, GA (Sargianis, K.) and Kent Intermediate School District, Grand Rapids, MI (McManus, S.).
- National Science Education Leadership Association and National Science Teachers Association. Summer Leadership Institute. (June 2014). Next Generation Science Standards: Preparing to Lead the Way. Colorado Springs, CO.
- WestEd, *Making Sense of Science* Earth Systems Facilitator Course, May 2013.
- *Seminars on Science* Climate Change. (October 28 – December 8, 2013). American Museum of Natural History online course.
- National Science Education Leadership Association. (June, 2013). Next Generation Science Standards Leadership Institute. Williamsburg, VA
- Certificate of Endorsement for Official Provider of Professional Development for *Engineering is Elementary* (August 2012 – August 2017).
- *Engineering is Elementary* Teacher Educator Institute. (February 1-3, 2012). Phoenix, AZ
- National Science Education Leadership Association and National Science Teachers Association. (June, 2012). Summer Leadership Institute. Explore the K-12 Framework and the Draft Next Generation Science Standards Document. Austin, TX.
- National Science Education Leadership Association. (June, 2012). Professional Development Institute. Leading for Science Learning: An NSELA Professional Development Institute for the Next Generation. Indianapolis, IA.
- Lawrence Hall of Science, University of California Berkeley, *Roots of Reading/Seeds of Science* (2010). Berkeley, CA.
- National Science Education Leadership Association. (June, 2009). Summer Leadership Institute. Science Curriculum Topic Study. Portland, ME.
- Lawrence Hall of Science, University of California Berkeley, *Roots of Reading/Seeds of Science* and *GEMS Space Science Curriculum Sequence* workshops (2007). Berkeley, CA.
- National Education Summit: Proven Practices for Learning Communities (2005). Washington, DC.
- Inquiry Institute, Exploratorium. (2005). San Francisco, CA
- *Using Data Getting Results* Data Facilitator Professional Development Seminars (2001-2003). Flagstaff and Phoenix, AZ
- Using the *School Portfolio for School Improvement*, Victoria Bernhardt, Ph.D. (2002). Flagstaff, AZ
- Adaptive School: Developing Collaborative Groups - Four Hats Leadership Institute (2000). Lake Tahoe, NV
- WestEd Eisenhower Regional Consortium Annual Conference (1997, 2000). San Francisco, CA.

- *GLOBE* Franchise Training and Facilitation (1999). Atlanta, GA.
- *GEMS (Great Explorations in Math and Science)* Associate I & II (1996 & 1999). Berkeley, CA.
- Classroom Observation Team for Evaluation of Phoenix Urban Systemic Initiative (1997). Phoenix, AZ.
- *FOSS (Full Option Science System)* Leadership Institute (1997). Flagstaff, AZ.
- Facilitating Systemic Change in Science and Mathematics Education (1997). Phoenix, AZ.
- Professional Development for Alternative Assessment (1997). Phoenix, AZ.
- *Project Archaeology: Intrigue of the Past* Facilitator Training (1996). Phoenix, AZ.
- Navajo Cultural Training for Educators (1993), Tsaile, AZ.

**Professional Experience:**

<p>July 2014 – Present</p>	<p><b>Associate Director for Professional Development Programs</b> Center for Science Teaching &amp; Learning, Northern Arizona University</p> <p>Assist the CSTL Director in the overall management of professional development programs and services through the following: 1) act as a member of the CSTL management and leadership teams and represent both the CSTL and NAU through leadership at center, university, local, state, regional, and or national venues; 2) supervise, hire, train, and evaluate professional development and materials management staff and manage their work loads and time allocation; 3) oversee CSTL professional development and outreach programs and develop, maintain, and implement CSTL policies and procedures as related to professional development programs; and 4) oversee budgets and coordinates the preparation of administrative, financial, and program-based reports and makes recommendations for additional staffing as related to professional development programs.</p>
<p>1994 – 2007 and October 2010 to June 2014</p>	<p><b>Professional Development Coordinator</b> Center for Science Teaching and Learning: Northern Arizona University <u>Specific Expertise and Experience in:</u> STEM Education, formal and informal science education, professional development design and delivery, standards-based curriculum design and development, grant development and implementation, cultural education, informal science curriculum development, and Native American community outreach and education</p>
<p>1998 - 2014</p>	<p><b>Professional Development Specialist, University of California Berkeley</b> Lawrence Hall of Science: Seeds of Science/Roots of Reading and GEMS (Great Exploration in Mathematics and Science) science education programs</p>
<p>2004 – 2014</p>	<p><b>Project Archaeology, Montana State University &amp; Bureau of Land Management</b> Curriculum consultant, developer, and evaluator &amp; professional development</p>
<p>August 2007 – October 2010</p>	<p><b>Project Director, Education Specialist, &amp; Professional Development Coordinator</b> Northern Arizona University Anthropology Department <u>Specific Expertise and Experience in:</u> Cultural education programs, curriculum development, and Native American community outreach and education, archaeology education, and applied anthropology education.</p> <ul style="list-style-type: none"> <li>• Program Director: Native Voices on the Colorado River</li> <li>• Program Co-Director and Educator: Hopi Footprints of the Ancestors</li> </ul>

	<ul style="list-style-type: none"> <li>project</li> <li>• Curriculum and Evaluation Director &amp; Arizona Program Coordinator: Project Archaeology</li> <li>• Mesa Verde National Park educational consultant</li> </ul>
2009 - 2011	<b>Professional Development Consultant</b> , Seeds of Science/Roots of Reading, Delta Education, School Specialty Science
1988 - 2002	<b>Elden Pueblo Archaeological Education Project Manager</b> , Arizona Natural History Association. Supervisory archaeologist for public programs, informal science education programs, and public archaeology and education program development.
1992 - 1993	<b>Public Education Coordinator</b> , Animas-La Plata Archaeological Project, Department of Anthropology, Northern Arizona University. Archaeological education (informal science) program development and implementation
1988-1992	<b>Independent Archaeology Consultant</b> 1992. Instructor. Grinnell College, Archaeological Field School. 1991. Hopi Tribe. Archaeological survey project 1991. CSWTA, Inc., Environmental Consultants. Ethnographic and Archaeological Research. 1991. Anthropology Instructor. Adult Degree Program, Prescott College. 1988 – 1991 Field Archaeology Contracting 1988 - 1992 Museum of Northern Arizona. Archaeology Education Instructor.
1989	<b>Assistant Instructor</b> . Arizona Humanities Council and Northern Arizona University. Archaeology Plus History: Insights on the Impact of Spanish Colonization on the Navajo and Hopi. Informal science education program for K-12 educators.
1989 - 1990	<b>Graduate Assistant</b> Northern Arizona University, Archaeology Laboratory
1986 - 1988	<b>Co-Leader &amp; Instructor</b> . Southwest Expedition Institute. Native American youth informal science education program
1987	<b>Teacher</b> , Discovery Montessori School, Flagstaff, AZ
1985 - 1989	<b>River Guide</b> , San Juan River and <b>Residential Counselor/ Educator</b> for juveniles on probation & parole. Adventure/Discovery, Flagstaff.

## Curriculum Development Experience

2013

- Technical Assistance in assessment for *Get Invested: Case Studies in Innovation* curriculum, Computer History Museum, Mountain View, CA.
- Development of Open Online Learning Course, “Engaging in Inquiry through the Science Writing Heuristic” as part of *Inquiry and Design Learning Experiences for Adults and Teens as New Learners*, 2012 HP Leadership Fund Award through Longwood University.
- On-line professional development modules for EYE-POD project (Examining Your Environment Through the Power of Data) project.

2010-2012

- *Colorado Plateau Carbon Connections* curriculum, a 10-lesson high school curriculum based on understanding the carbon cycle and its relevance to climate change. The curriculum was developed under a Phase I - Climate Change Education Partnership” grant to Northern Arizona University from the National Science Foundation. The curriculum was developed in partnership with BSCS (Biological Sciences Curriculum Study), a nonprofit curriculum study committed to transforming science teaching and learning.

- 2010
- Southern Paiute Cultural History Curriculum. Middle Grades. Grand Canyon Parashant National Monument, National Park Service. Facilitator & Curriculum Development Specialist
- 2009
- *Project Archaeology: Investigating Shelter*. Letts, C.A. and Moe, J.M. Contributing Authors: C. Alegria, G. Allen, **J. Clark**, B. Crane, D.M. Paterson, W. Pratt, KC Smith, S.J. Smith, and V. Wulfkuhle. Bozeman, MT: Montana State University. Curriculum Development Specialist & Contributing Author.
  - Kuuyit ovi Suvotumala (Working Together for Water): Supplemental Curriculum Lessons designed for Hopi Youth Ages 9-12. Curriculum Development Specialist & Contributing Author.
  - The Ancestral Puebloans: An Investigation Into Human History. Traveling Trunk Program Grades 3-5. Flagstaff Areas National Monuments, National Park Service. Author & Curriculum Development Specialist
  - Stories Then and Now. Traveling Trunk Program Grades K-2. Flagstaff Areas National Monuments, National Park Service. Curriculum Development Specialist & Contributing Author.
  - Hot Spots and Squeeze-Ups: An Investigation into Earth's History. Traveling Trunk Program Grades 6-8. Flagstaff Areas National Monuments, National Park Service. Curriculum Development Specialist & Contributing Author.
- 2006
- Hopi Footprints: Curriculum Sampler. Curriculum Development Specialist & Contributing Author.
- 2005
- *Science In Our Parks: Cultural and Natural History of the Colorado Plateau*. Revised edition. Center for Science Teaching & Learning and National Park Service. Curriculum Development Specialist & Author.
- 2003
- Hubbell Trading Post National Historic Site: The Pueblo Colorado Wash Environmental Study Guide. Center for Science Teaching & Learning, NAU and National Park Service. Author & Curriculum Development Specialist
  - Interactive Archaeology of the Colorado Plateau and Grand Canyon CD ROM: Archaeological and Indigenous Perspectives. Curriculum Development Specialist & Contributing Author.
- 2001
- The Leupp Japanese Isolation Camp Inquiry. Curriculum Development Specialist & Author.
- 1998
- *Science In Our Parks: Cultural and Natural History of the Colorado Plateau*. Science and Mathematics Learning Center and National Park Service. Curriculum Development Specialist & Author.
- 1997
- Pinal County Schools Gifted & Talented Archaeology Curriculum. Curriculum Development Specialist & Author.
- 1995
- *Science In Our Parks: Petrified Forest National Park*. Science and Mathematics Learning Center and National Park Service. Curriculum Development Specialist & Author.
- 1990
- Elden Pueblo Archaeological Project Education Program. Curriculum Development Specialist & Contributing Author.

## Grant and Contract Awards

- 2016 Principal Investigator: Planetary Learning that Advances the Nexus of Engineering, Technology and Science (PLANETS). NASA.
- 2014 Principal Investigator: APS STEM Schools for the Future. APS Foundation.
- 2012 Co-Principal Investigator: APS STEM Schools for the Future. APS Foundation.
- 2010 Principal Investigator: Chapin Mesa Archeology Education program and Docent training program development, Mesa Verde National Park
- 2009 Principal Investigator: Wayside Exhibits, Morefield Campground Static Displays, and Wetherill Mesa Trail Guide, Mesa Verde National Park
- 2009 Principal Investigator: Arizona Heritage Education Strategic Plan, Bureau of Land Management Heritage Education Program
- 2009 Co-Principal Investigator, National Park Foundation, Christenson Fund, Mesa Verde Museum Association, Ottens Foundation, and Arizona Humanities Council. Following in the Footprints of the Ancestors – A Hopi Youth Guide to Mesa Verde National Park.
- 2008 Principal Investigator: Arizona Bureau of Land Management. Arizona Project Archaeology
- 2007 Principal Investigator: Grand Canyon River Outfitters Association, Native Voices on the Colorado River program
- 2007 Principal Investigator: Conceptual Understanding in Physical Science II and Conceptual Understanding in Biological Science. Math-Science Partnership. Arizona Department of Education through the Coconino County Educational Services.
- 2006 Principal Investigator: Conceptual Understanding in Physical Science. Math-Science Partnership. Arizona Department of Education through the Coconino County Educational Services.
- 2005 Principal Investigator: Mashuntucket Pequot Museum. Pathways to Wisdom – Zuni program.
- 2004 Principal Investigator: Traveling Trunks Materials Development, National Park Service.
- 2004 Principal Investigator: PRISM – Preservice Reform Informal Science Model. Arizona Board of Regents.
- 2003 Principal Investigator: Science Curriculum Implementation in Tombstone School District. Arizona Board of Regents.
- 2002 Principal Investigator: Tombstone Standards-Based Science Professional Development. Arizona Board of Regents.
- 2001 Principal Investigator: GLOBE-NAN III, Eisenhower Higher Education Program. Arizona Board of Regents. [Global Learning & Observations to Benefit the Environment: Native American Network]
- 2001 Principal Investigator: Science In Our Parks Dissemination Grant, National Park Service. Informal Science Education.
- 2001 Principal Investigator: Hubbell Trading Post Education Project, National Park Service. Educational Program and Curriculum Development.
- 2000 Principal Investigator: GLOBE-NAN II, Eisenhower Higher Education Program. Arizona Board of Regents.  
Principal Investigator: GLOBE/CP-LUHNA, Tides Foundation. Teacher Enhancement Project.
- 1999 Principal Investigator: GLOBE-NAN, Eisenhower Higher Education Program. Arizona Board of Regents.
- 1998 Principal Investigator: Connecting Our Land and Cultures Conference, National Park Service. Informal Education.
- 1997 Principal Investigator: Central Arizona Math and Science Project III (CAMS III), Eisenhower Higher Education Program. Arizona Board of Regents.
- 1996 Principal Investigator: Flagstaff Areas National Park Service. Parks As Classrooms. *Science In Our Parks*, Parks As Classrooms. Educational Program and Curriculum Development.

- 1994-1996 Principal Investigator: Petrified Forest National Park. *Science in Our Parks*, Petrified Forest Museum Association. Educational Program and Curriculum Development.
- 1992-2000 Principal Investigator: City of Flagstaff. Elden Pueblo Project, Archaeology education program development.
- 1989 Arizona Humanities Council and Northern Arizona University. Archaeology Plus History: Insights on the Impact of European Colonization on Navajo and Hopi Cultures.

### **Current Professional Memberships:**

Learning Forward: The Professional Learning Association  
 National Science Education Leadership Association  
 National Science Teachers Association  
 Arizona Science Teachers Association  
 Arizona Science Education Leadership Association

### **Awards:**

- 2011 Recipient of the Secretary of the Interior's Partners in Conservation Award on behalf of the Center for Science Teaching and Learning, Northern Arizona University as a contributor to Project Archeology.
- 1995 Arizona Association for Learning in and about the Environment. Environmental Educator of the Year.

### **Professional Service:**

- 2014 – 2016 Conference planning member, 21<sup>st</sup> Century STEM: Integrate to Innovate. January 21-23, 2016
- 1994 - 2015 State Coordinator Arizona Project Archaeology
- 1991 - 2010 Public Education Committee, Society for American Archaeology - chair (2007-2010), Listserv manager (1996-2007), and vice-chair (2003-2006),
- 2006 Design Team member, Science Curriculum Topic Study Leaders Guide
- 1998 – 2008 Founding member and listserv manager (1998-2008) - Resource Education Network of Northern Arizona – Informal Science Network Group.
- 1987 - 2006 Arizona Archaeological Council - Executive Committee (1997-1999), Archaeology for Educators Committee, Chair (1995-1997).
- 1995-1996 Editor. Arizona Archaeological Council, Archaeology for Educators newsletter.
- 1991-1995 Environmental Education Advisory Committee, Arizona State Parks Board. Chair 1991-1993.

### **Publications**

- Clark, J.** & Gumerman IV, G. (2016 anticipated). Hopi footprints: what really matters in cultural preservation. In *Hopi Archaeology, History, and Heritage: Twenty-five Years of Collaborative Research with the Hopi Tribe*. Ferguson, T. J. and Colwell-Chanthaphonh, C., Eds. Tucson, AZ: University of Arizona Press.
- Clark, J.**, Kirkley, J.K., & Bloom, N. (2015). Arizona STEM Focus Schools for the Future. *Arizona Science Teachers Association Circular*, 6 (1), Winter 2015.
- Brody, M., Moe, J. **Clark, J.** & Alegria, C.B. (2014). Archaeology as culturally relevant science education: the poplar forest slave cabin. In *Public Participation in Archaeology*, J. Lea, Ed., Newcastle, UK: Newcastle University.
- Gumerman IV, G., **Clark, J.**, Satala, E.J., and Chimerica, R. (2013). Footprints of the Ancestors: Reengaging Hopi Youth with their Culture. In *Museums and Social Issues. A Journal of Reflective Discourse*. Kristine Morrissey, Editor-in-Chief. Semi-annual publication, Spring and Fall. Leeds, UK: Maney Publishing.
- Clark, J.** (2013). AZCASE STEM survey report. Arizona Center for Afterschool Excellence.

- Clark, J.** and Heath, M. (2013). Building Bridges in Cultural Heritage Management. *Encyclopedia of Global Archaeology*. New York: Springer Science + Business Media.
- Clark, J.**, Marks, J., and Haden, C. (2012). The Carbon Cycle Game: A Regionally Relevant Activity to Introduce Climate Change. *The Earth Scientist*. National Earth Science Teachers Association XXVIII (3): 9-13.
- Clark, J.** and Heath, M. (2010). Cultural Heritage Management: Building Bridges. In *Heritage Values: The Past In Contemporary Society*. Left Coast Press: Walnut Creek, CA.
- Letts, C.A. and Moe, J.M. (2009). *Project Archaeology: Investigating Shelter*. Contributing Authors: C. Alegria, G. Allen, **J. Clark**, B. Crane, D.M. Paterson, W. Pratt, KC Smith, S.J. Smith, and V. Wulfkuhle. Bozeman, MT: Montana State University.
- Gess-Newsome, J., M. Blocher, **Clark, J.**, J. Menasco, and E.M. Willis. (2004) Technology infused professional development: A framework for development and analysis: An article in response to Alfred Bork's, *The Dilemma of Teacher Training*. CITE Journal (Contemporary Issues in Technology and Teacher Education).
- Clark, J.** and T. Shirakawa. 2001. Not At Home In The West: The Japanese Isolation Center at Leupp, Arizona. *Plateau Journal*. Spring/Summer 2001. Volume 5, Number 1:48-56.
- Clark, J.** 2001. *Development of Archaeology Education Programs in Collaboration with Native Americans: Accomplishments and Visions of the PEC*. Society for American Archaeology. The SAA Archaeology Record Volume 1, Number 4: 9.
- Menasco, J. & **Clark, J.** (2000). GEMS Units Face the Challenges of the Information Age. *GEMS Network News*. Berkeley, CA. Great Explorations in Math and Science – Lawrence Hall of Science. Fall/Winter.
- Clark, J.** 2000. *Teaching Archaeology with Educational Technology*. The Archaeology Education Handbook: Sharing the Past with Kids. K. Smardz & S. Smith Eds. Walnut Creek, CA: AltaMira Press.
- Clark, J.** 1998. *Should Kids Dig?* Society for American Archaeology Bulletin Vol 16, Number 5:9-12.
- Bogert, R., **Clark, J.**, G. Lindner, J. Menasco, H. Clark, and T. Harrison. 1997. *Northern Arizona University Symposium on Systemic Reform in Science and Mathematics Education*. Report to the Arizona Board of Regents: Eisenhower Mathematics and Science Program.
- Ortiz, D., S. Powell, K. Stemmler, **Clark, J.**, K. Fortsas, and E. Masayesva. 1993. *Traditional Cultural Properties of Ridges Basin*. Northern Arizona University Report. Contract Number 1425-2-CS-40-11730 United States Department of the Interior, Bureau of Reclamation, Upper Colorado Region.
- Geib, P. R. and **Clark, J.** 1991. *A Late Pueblo III Double Burial Near Shonto, Arizona*. Navajo Nation Archaeology Department Report No. 90-280.

### **Presentations, Poster Sessions, and Professional Papers**

- Clark, J.**, Kirkley, J. & Kesler, K. (January, 2016). Leading Change in STEM Focused Schools. Presentation at the 21<sup>st</sup> Century STEM: Integrate 2 Innovate Conference, Phoenix, AZ.
- Rubino-Hare, L.& **Clark, J.** (January, 2016). Kids Ask for Science and Reading! Engineering Across the Curriculum. Presentation at the 21<sup>st</sup> Century STEM: Integrate 2 Innovate Conference, Phoenix, AZ.
- Rubino-Hare, L.& **Clark, J.** (November, 2015). Why Do You Think So? Asking Effective Questions In Engineering Activities. Presentation at the Arizona Science Teachers' Association Conference, Phoenix, AZ.
- Rubino-Hare, L.& **Clark, J.** (November, 2015). Power of Data – Geospatial Thinking for 21st Century Skills. Presentation at the Arizona Science Teachers' Association Conference, Phoenix, AZ.
- Clark, J.**, Kirkley, J. & Kesler, K. (November, 2014). Journeys Towards Becoming STEM / STEAM Focused Schools. Presentation at the Arizona Science Teachers' Association Conference, Phoenix, AZ.

- Rubino-Hare, L., **Clark, J.**, Kirkley, J. (November, 2014). Engineering is Elementary - A focus on engineering practices in STEM. Presentation at the Arizona Science Teachers' Association Conference, Phoenix, AZ.
- Clark, J.**, Kirkley, J. and Dass, P. (2014). Plugging in the USB: A Partnership Model for STEM Systemic Change Among University, School, and Business. Presentation at NSTA STEM Forum & Expo May 14–17, 2014, New Orleans, LA.
- Rubino-Hare, L. and **Clark, J.** (2013). Engineering is Elementary- Connecting Science, Engineering and Technology. Presentation at the 4th Annual Engineering is Elementary (EiE) Symposium July 18 – 19, 2013, Boston, MA.
- Rubino-Hare, L. and **Clark, J.** (October, 2013). Using the power of data and PBI to enhance science instruction. 2013. Arizona Science Teachers Association (ASTA) Conference, Be Inspired! Learning Today for the Future. Phoenix, Arizona.
- Dass, P., **Clark, J.**, Gray, R., Hare, L., Kesler, K, and Kirkley, J. (October, 2013). Professional Development: Challenges and Opportunities for Meeting the NGSS. Arizona Science Teachers Association (ASTA) Conference, Be Inspired! Learning Today for the Future. Phoenix, Arizona.
- Gumerman, G., **Clark, J.**, and Satala, E.J. (2013). Hopi Digital Storytelling: Youth Voices AND Hopi Digital Stories: Short films Showcase the Voice of Hopi Youth. Presentation at Seventh World Archaeological Congress. Dead Sea, Jordan. January 14-18, 2013.
- Gumerman, G. and **Clark, J.** (2013). Hopi Footprints: Guided Along the Path of Cultural Preservation by Leigh Kuwanwisiwma. Presentation at Seventy-eighth Annual Meeting Society for American Archaeology. Honolulu, HI. April 3-7, 2013.
- Clark, J.**, Bell, M., Haden, C., Getty, S., Marks, J., Hungate, B., Kaufman, D., Coles, R. and Cooley, N. (2012) Building student understanding of climate science using a culturally and regionally based high school curriculum supplement. Presentation at The Geological Society of America Annual Meeting, Charlotte, NC. November 4-7, 2012.
- Bell, M. **Clark, J.** Getty, S., Marks, J., Hungate, B., Kaufman, D., Coles, R. Haden, C. and Cooley, N. (2012) Developing a Regionally-Based “Next Generation” High School Climate Science Curriculum. Presentation at American Geophysical Union Fall Meeting, San Francisco, CA. December 3-7, 2012.
- Clark, J.** and Cooley, N. (2012). Colorado Plateau Carbon Connections: A Regionally and Culturally Relevant High School Climate Change Curriculum Supplement. Presentation at Honoring Our Heritage: Third American Indian Teacher Education Conference July 13-14, 2012 Flagstaff, AZ Northern Arizona University.
- Marks, J., **Clark, J.** Getty, S. Haden, C., Cooley, N., Hungate, B.A., Kauffman, D.S., Coles, R., Jarratt-Snyder, K. and Nelson, M. (2011). Climate change science and solutions: creating innovative education tools for native americans and rural communities on the colorado plateau. Poster presentation at the second annual NASA/NSF/NOAA Interagency Climate Change Education Workshop in Washington, DC April 17-20, 2012.
- Clark, J.** (2011). Integrating Native American Ways of Knowing with Informal Science Education. Presentation at the 2011 European Science Education Research Association conference, Lyon, France.
- Clark, J.** and Gumerman, G. (2010). Footprints of the Ancestors: Intergenerational Learning of Hopi History and Culture. Forum at the 75<sup>th</sup> annual meeting. Society for American Archaeology. St. Louis, MO.
- Clark, J.** (2009). Final Evaluation Report, Archaeology as Culturally Relevant Science Curricula. Bozeman: Project Archaeology, Montana State University.
- Clark, J.** (2009). Native American Communities working with Archaeology Educators. Forum presentation at the 74<sup>th</sup> annual meeting. Society for American Archaeology. Atlanta, GA..
- Clark, J.** and Moe, J. (2009) Designing and Delivering Archaeology Education for Multicultural Students. Workshop at the 74<sup>th</sup> annual meeting. Society for American Archaeology. Atlanta, GA.



- Clark, J.** (2009) Following the Footprints of Our Ancestors: Hopi Youth Return to Homolovi. Film presented at the Society For Applied Anthropology Conference. Santa Fe, New Mexico.
- Gumerman, G., **Clark, J.**, and Hongoeva G. (2009) Footprints of The Ancestors: Intergenerational Learning of Hopi History and Culture. Forum presented at the Society For Applied Anthropology Conference. Santa Fe, New Mexico.
- Gess-Newsome, J.; Menasco, J.; **Clark, J.** (2009). Reform, One Teacher at a Time. Foundations Reform for Secondary Science Teachers. Washington, DC: National Science Foundation.
- Gumerman, G., **Clark, J.**, and Naseyowma, G. (2008). *Footprints of the Ancestors: The Learning of Hopi History and Culture through Oral History and Archaeology*. Presented at the Sixth World Archaeological Congress, Dublin.
- Moe, J.M., **Clark, J.**, and Alegria, C. B. (2008). Archaeology as Culturally Relevant Science. Poster presentation at the 10<sup>th</sup> annual Project Archaeology conference, Oleno State Park, High Springs, FL.
- Moe, J.M., **Clark, J.**, and Alegria, C. B. (2008). Teaching Archaeology as Culturally Relevant Science Curricula: The Poplar Forest Slave Cabin. Paper presented at WAC-6, Dublin, Ireland.
- Clark, J.**, Moe, J.M., and Alegria, C. B. (2008). Teaching Archaeology as Culturally Relevant Science Curricula: Building Scientific and Archaeological Literacy. Paper presentation at the 73<sup>rd</sup> annual meeting. Society for American Archaeology. Vancouver, BC Canada.
- Moe, J. **Clark, J.** and Alegria, C. 2008. Archaeology as Culturally Relevant Science Curricula: The Poplar Forest Slave Cabin. Paper presented at the Society For Historical Archaeology Conference on Historical and Underwater Archaeology. Albuquerque, New Mexico.
- Clark, J.** (2007). Archaeology as Culturally Relevant Science Curricula. Project Archaeology Network News. Volume 3, Issue 3, July 2007: 3.
- Clark, J.** and Heath, M. (2007). Native American Heritage Values: Building Curriculum, Building Bridges. Paper prepared for Heritage Values: The Past In Contemporary Society Workshop, Cumberland Island National Seashore, Georgia. November 15-17, 2007.
- Clark, J.**, Bertko, C., Jauron, L., Kirkley, J. and Gess-Newsome, J. (2007). Using *Science Curriculum Topic Study* to deepen understanding of science content and pedagogy. Presentation at the Arizona Science Teacher Association annual conference, Mesa, AZ.
- Meyer, J., Gess-Newsome, J., **Clark, J.** and Keeley, P. 2007. Using *Curriculum Topic Study* To Deepen In-Service Teacher Understanding Of Science Content And Pedagogy. Presentation at the Association for Science Teacher Education International Conference, Clearwater, FL January 3-6, 2007
- Meyer, J. and **Clark, J.** (2006) Using Teachers To Expand Science Into The Community. Paper presentation at 35<sup>th</sup> annual conference of the North American Association for Environmental Education. Minneapolis, MN.
- Gumerman, G., **Clark, J.**, and Naseyowma, G. (2005). *Hopi Footprints: Using Elder Knowledge and Archaeology to Construct a Culture Curriculum for Hopi Schools*. Paper presented at the World Archaeological Congress, Indigenous Inter-Congress, New Zealand.
- Clark, J.** (2005) Education As A Vehicle For Including Multiple Voices in Archaeology. Paper presentation at the 70<sup>th</sup> annual meeting. Society for American Archaeology. Salt Lake City, UT.
- Gumerman, G., **Clark, J.** and Honanie, D. (2005) Hopi Footprints: A Cultural Curriculum for Hopi Schools. Paper presentation at the 70<sup>th</sup> annual meeting. Society for American Archaeology. Salt Lake City, UT.
- Meyer, J. and **Clark, J.** (2005) PRISM: Preservice Reform Informal Science Model. Paper presentation at the Association for Science Teacher Education annual conference. Colorado Springs, CO.
- Clark, J.** and J. Meyer. (2004) PRISM: Preservice Reform Informal Science Model. Poster Presentation at 33<sup>rd</sup> annual conference of the North American Association for Environmental Education: Casting a Wider Net for Environmental Education. Biloxi, MI.

- Gess-Newsome, J.; Menasco, J.; Moorhead, K.; **Clark, J.**; Haden, C. & Meyer, J. (2004) Following the Journey: Systemic Reform in Middle Level Science. Presentation at National Science Teachers Association regional conference. Seattle, WA.
- Gess-Newsome, J., **Clark, J.**, and J. Menasco. January 2003. Ubiquitous Computing: Seeds of a Technological or Pedagogical Revolution? Presentation at Association for the Education of Teachers of Science (AETS) annual conference. St. Louis MI
- Gumerman IV, G. L. Neff, and **Clark, J.** 2003. Interactive Archaeology of the Colorado Plateau and Grand Canyon: Archaeological and Indigenous Perspectives. Presentation at 68<sup>th</sup> Annual Meeting, Society for American Archaeology. Milwaukee, WI.
- Clark, J.** 2002. Implementing the GLOBE Program In Indigenous Classrooms In Northern Arizona. Poster Session Presentation at Association for the Education of Teachers in Science Annual International Meeting. Charlotte, NC.
- Clark, J.** and J. Koons. 2001. Integrating Inquiry Through Informal Science Education. Special Flinn Foundation Sponsored Presentation at Arizona Science Teachers Association Annual Conference. Phoenix, AZ.
- Clark, J.** and B. Duwahoyeoma. 1999. A Tale of Two Strategies: Teaching Hopi Culture and Archaeology. Paper presented at 64<sup>th</sup> Annual Society for American Archaeology Conference, Chicago, IL.
- Clark, J.** and M. Brown. 1999. Science In Our Parks: Science Education within the National Park Service. Presentation at Arizona Science Teachers Association Annual Conference. Phoenix, AZ.
- Pilles, P.J., Jr., **Clark, J.**, W. Gosart, and T. Woodall. 1998. Avocational Involvement in Public Archaeology Programs at Elden Pueblo. Presentation at 63rd Annual Society for American Archaeology Conference, Seattle, WA.
- Clark, J.** 1998. Teaching Science With Archaeology. Presentation at Arizona Science Teachers Association Annual Conference. Phoenix, AZ.
- Clark, J.** and C. Garza. 1997. Arizona Archaeological Council, Archaeology for Educators Committee: Heritage Education Programs in Arizona. Poster Session at 62<sup>nd</sup> Annual Society for American Archaeology Conference, Nashville, TN.
- Clark, J.** 1996. Teaching Archaeology using Scientific Inquiry Methods. Paper presented at 61st Annual Society for American Archaeology Conference, New Orleans, LA.

### **Curriculum Publications**

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