

Jessica Swann
2441 W Willow Ave, Phoenix, AZ 85029
602-692-8771
jlswann@asu.edu

EDUCATION

Grand Canyon University

M. Ed in Instructional Technology

2007

Project: SMART Technology Classroom Applications

Wright State University

B.S. in Secondary Education

1999

Concentration: Earth Science, Biology

PROGRAM MANAGEMENT EXPERIENCE

ASU Center for Education Through eXploration – Tempe, AZ

2019 – PRESENT

Manage program portfolios for two NASA-funded education projects totaling \$3M / year across these programs; Manage expectations, requests, and communication for two different program Principal Investigators; Directly manage a five member team to meet objectives and deliverables for two communities of practice; Coordinate with project managers to evaluate project deliverable timelines, budgets, and resourcing; Evaluate program effectiveness in meeting stakeholder goals and adjust deliverables where necessary; Provide strategic direction and vision toward program deliverables and manage communication with program leadership; Ensures compliance with NASA standards and practices; Provides intellectual contributions to annual progress reporting; Contributes to grant proposal team related to communities of practice and NASA funded opportunities.

COMMUNITY MANAGEMENT EXPERIENCE

ASU Center for Education Through eXploration – Tempe, AZ

2016 – PRESENT

Manage recruitment and training of educators to the Infiniscope teaching network; Implement strategies for public outreach events on local and national scale; Manage portal feature development; Manage coordination of user testing on local and national scale for classrooms grades 5-12; Manage curriculum contractor and work with learning design team to provide guidance on alignment of education products; Establish and maintain partnerships and collaboration within NASA community and Infiniscope Network; Manage contractor for ASU Infiniscope social media and portal messaging/sites relating to upcoming events and NASA education products; Work as a resource between PI and NASA science community to present relevant content at international/national/technical conferences/local conferences formal/informal/public outreach events; Coordinate with team related to NASA communication strategies.

ASU Mars Education Program – Tempe, AZ

2010 - 2016

Develop and implement strategies for outreach events on local and national scale for K-20 and public; Work with education, non-profit, and commercial partners to provide nationally-scoped outreach events; Market and maintain ASU Mars social media and website messaging/sites relating to upcoming events and NASA education products; Work as a resource between PI, NASA science community to present relevant content at international/national/technical conferences/local conferences formal/informal/public outreach events.

TEACHING EXPERIENCE

ASU Mars Education Program – Tempe, AZ

2010 – 2016

MSIP INSTRUCTOR

Classroom and distance learning implementation of the Mars Student Imaging Project and the technology associated with the project. Act as a facilitator for students between the grade levels of 5th and post-secondary. Students come from a variety of schools with a variety of socioeconomic and ethnic backgrounds. Develop materials to supplement effective facilitation of the Mars Student Imaging Project in the classroom. Other duties include coordination of classroom schedule and materials, scheduling special events with Mars scientists, archiving materials, data reporting, and ensuring project completion.

WORKSHOP INSTRUCTOR

Develop materials and co-facilitate professional development workshops across the country specifically designed for teacher training and development using Mars Education Activities.

CURRICULUM DEVELOPMENT

Develop and/or update Mars Education Activities to reflect current National Science Standards, Next Generation Science Standards, Common Core State Standards, 21st Century Skills, NETS Standards, A&K Taxonomy and reflect the 5E Inquiry Instructional Model. Developed an iVFT lesson with the intent of constructing fundamental geologic principles for middle-school students that teachers will be able to incorporate into their classrooms with ease and are appropriately aligned to the Next Generation Science Standards with the help of an adaptive eLearning platform.

Sunrise Mountain High School – Peoria Unified School District – Peoria, AZ **2004 - 2010**
SCIENCE TEACHER, CURRICULUM DEVELOPER, TRAINER, COOPERATING TEACHER

University of Phoenix **2006 - 2010**
PHYSICAL GEOLOGY INSTRUCTOR

Stebbins High School – Mad River Local School District – Dayton, OH **2001 – 2004**
SCIENCE TEACHER, PROGRAM DEVELOPER, TRAINER

RESEARCH AND SCHOLARLY ACTIVITIES

Swann, J. L., Mead, C., & Anbar, A. D. (2019, December). Consumers to creators: Reducing the barrier of entry for educators to customize digital learning experiences. Poster presented at the American Geophysical Union annual meeting in San Francisco, CA.

Mead, C., Davis, H. B., Swann, J. L., & Anbar, A. D. (2018, December). What kinds of digital learning experiences do educators want? Poster presented at the American Geophysical Union annual meeting in Washington, DC.

Swann J. L., Mead, C., Hunsley, D., & Anbar, A. D. (2018, December). Training educators to build and modify adaptive digital learning experiences. Poster presented at the American Geophysical Union annual meeting in Washington, DC.

Swann, J. L., Elkins-Tanton, L. T., Anbar, A. D., Boonstra, S. K., Tamer, A. J., Mead, C., & Hunsley, D. (2017, December). Exploring the story, science, and adventure of small worlds. Oral presentation at the American Geophysical Union annual meeting in New Orleans, LA.

Tamer, A. J., Anbar, A. D., Elkins-Tanton, L. T., Boonstra, S. K., Mead, C., Swann, J. L., & Hunsley, D. (2017, December). Building effective learning experiences around visualizations: NASA Eyes on the Solar System and Infiniscope. Oral presentation at the American Geophysical Union annual meeting in New Orleans, LA.

Swann, J. L., Boonstra, D., Manfredi, L., Boonstra, S. K., & Weeks, S. (2015). ASTROBIOBOUND! Tying Science and Engineering Design Together. *NSTA SciScope*, 39(3), 42-50.

TECHNOLOGY EXPERIENCE

Microsoft© Office Suite Vista, 2010, and 2011/2016 for Mac

Cloud Cannon

STRAPI

Pantheon

Campaign Monitor

NodeBB

SmartSparrow© Adaptive eLearning Platform

Adobe© Creative Suite

ZOHO CRM

ZOOM Webinar and Meeting

MEMBERSHIPS

National Science Teachers Association

American Geophysical Union

American Astronomical Society