

Poster sessions

Poster are listed in alphabetical order by project name

Acquainting Metro Atlanta Youth with STEM (AMAYS)

Brendan Calandra & Maggie Renken, Georgia State University

Table Number: 25

Advancing Geospatial Thinking and Technologies in Grades 9-12: Citizen Mapping, Community Engagement, and Career Preparation in STEM

Hilarie Davis, TLC Inc

Table Number: 29

American Innovations in an Age of Discovery: Teaching Science and Engineering through 3D-printed Historical Reconstructions

Glen Bull and Nigel Standish, University of Virginia

Tandra Tyler-Wood, University of North Texas

Table Number: 24

App Maker Pro (AMP): Motivating STEM Study through App Development

Carole Greenes & Mary Cavanagh, Arizona State University

Table Number: 31

Broadening Interest in Geosciences, Habitat, and Technology among Girls

Laura Conner, University of Alaska Fairbanks

Table Number: 28

Engaging Secondary Students in Regionally Relevant Science Topics Through Videography

University of Colorado Boulder

Table Number: 36

Engaging Youth in Expanded STEM Career Pathways through Clean Energy Literacy Development

Mac Cannady & Kevin Cuff, University of California, Berkeley

Table Number: 26

Engineering Experiences: Research on Student Competency, Motivation and Persistence in STEM for Underserved Youth

Tamara Sumner, University of Colorado Boulder

Table Number: 20

FUSE Studios: A New, Interest-Driven Model for Engaging Youth In STEM and Career Development Through Challenges and Partnership with Industry

Kemi Jona, Northwestern University

Table Number: 10

GeniConnect: Game-based Learning, Mentoring, and Laboratory Experiences - A Model for Industry-Afterschool Partnerships

Frieda Reichsman, Concord Consortium

Table Number: 13 & 14

GIS/T Resources and Applications for Career Education (GRACE)

Francis Saroki, Michigan Virtual University & David Anderson, Eastern Michigan University

Table Number: 18 & 19

Gulliver Innovative Learning: a Platform for Managing Kinesthetic Activities

Nirit Glazer, SVN, Inc.

Table Number: 9

Innovative Science, Technology, Engineering, and Mathematics Strategy Project (iSTEM)

*Willie Rockward, Cynthia Trawick, Tiffany Bussey, Jamie Clayton, & Melissa Demitrikopoulous
Morehouse College*

Table Number: 35

**Integrating Science Into Afterschool: A Three-Dimensional Approach To Engaging
Underserved Populations In Science**

*Dale McCreedy & Tara Cox, The Franklin Institute & Sukey Blanc, Creative Research and
Evaluation*

Table Number: 23

iPuzzle: Transforming Mathematics Learning Through Social Puzzling

Paul Goldenberg & Deborah Spencer, Education Development Center

Table Number: 4 & 5

LinCT: Linking Educators, Youth, and Learners in Computational Thinking

Lauren Causey & Kathryn Guimond, Science Museum of Minnesota

Table Number: 27

Marine Technology for Teachers and Students (MaTTS)

Gail Scowcroft, University of Rhode Island

Table Number: 6

Nanotechnology Experiences for Students and Teachers (NEST)

*Hazim El-Mounayri, Indiana University - Purdue University Indianapolis & Mangilal Agarwal,
Indiana University - Purdue University Indianapolis*

Table Number: 30

Nebraska Wearable Technologies (WearTec)

Bradley Barker, University of Nebraska - Lincoln

Table Number: 21

Next Step Learning: Bridging Science Education and Cleantech Careers with Innovative Technologies

Charles Xie, Concord Consortium & Joyce Massicotte, Next Step Living

Table Number: 15

Scaling up an Innovative Approach for Attracting Students to Computing

Madeleine Schep, Columbia College, RoxAnn Stalvey, College of Charleston & Susan Rodger, Duke University

Table Number: 7 & 8

SciGirls Strategies: Gender Equitable Teaching Practices in Career and Technical Education Pathways for High School Girls

Rita Karl, Twin Cities PBS

Table Number: 32

Seeding the Future: Creating a Green Collar Workforce through Learning about Indoor Urban Farming Technologies and Alternative Energy Sources

Jackie DeLisi, Education Development Center

Table Number: 1

Soft Robotics to Broaden the STEM Pipeline

Nathan Mentzer, Purdue University

Table Number: 11

STELAR (STEM Learning and Research Center)

STELAR Staff

Table Number: 2 & 3

The Eyes Say it All: Using web page design and eye-tracking technology to learn STEM concepts, research skills, and human factors

Mohammad Javed Khan, Tuskegee University

Table Number: 33

Tri-C Youth Technology Academy: STEM Academy for Youth featuring Youth Essential Skills - SAY - YES!

George Bilokonsky, Cuyahoga Community College

Table Number: 22

Visualization Basics: Using Gaming to Improve Computational Thinking (UGame-ICompute)

Jacqueline Leonard, University of Wyoming

Table Number: 34

Water SCIENCE: Supporting Collaborative Inquiry, Engineering, and Career Exploration with Water

Carolyn Staudt, Concord Consortium

Table Number: 12

WNY Genetics in Research Partnership: Expanding Exposure, Career Exploration and Interactive Projects in Basic Genome Analysis and Bioinformatics

Stephen Koury, University at Buffalo

Table Number: 16

Zippering Towards STEM: Integrating Engineering Design into the Middle School Physical Science Curriculum

Donald Visco, The University of Akron & Tania Jarosewich, Censeo Group

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Poster Session Map

