

NYS STEM Education Collaborative, Inc.



2022 Summer Institute Presentation Topic Titles July 24th Thru July 26th – SUNY Alfred

Starting Students on the Right Foot for Learning Statistics

Designing More Effective Experiments

Soaring to New Heights / Art, Science & Paper Airplanes

How to Get Students to Publish in a Peer-reviewed Journal

Implementing the New York Computer Science and Digital Fluency Standards

Fits Like a Glove! Computer Science and Digital Fluency Standards in Core Instruction

Incorporating The Arts into the Teaching of Climate Science

Teaching Climate Change While Addressing New York Standards

Build a Spaghetti Bridge to teach the NYS Computer Science Standards

STEAMed Drones in the Educational Classroom

Solving Elastic Collision Without a KE Postulate

Breakout: Putting Productive Struggle to Work with Escape-Box Learning

Green Architects: The Wall Is Alive

Through The Lens of History: Deepen Student Engagement in STEM by Exploring the Humanistic
Context of Technology

Perceptions of T/E Education Influence on Integrated STEM Teaching and Learning

CTE is STEM: Exposing Students to STEM Careers

Using the Bee-Bot to Explore Number in Early Elementary

Engineering as a Career Choice: What to Expect and How to Prepare

Teaching Students the Skill of Computational Thinking

New SciGirls Strategies for STEM Learning

Engaging Students With Special Needs Through STEM

The Metagenomics Education Partnership: Harnessing the Power of Microbial Genome Sequencing and
Big Data with
High School Students and Teachers

Developing an Equitable STEM Learning Environment Using the If / Then Collection

Creating a STEM Classroom with Texas Instruments

STEM In Motion

Teaching STEM Through the Use of Music

Drone Cadets in the Classroom

Quantum Computers – What Does It Mean for Education?

Digital Notetaking to Increase Online Engagement

Integrating Literature and STEM NGSS Engineering

Building Paper Circuits on Our Way to Interactive Art in All Content Areas

Using LED's to Explore Electricity

Getting Up To Speed with the NYS Science Standards (NYSSLS)