Growing Responsive STEM Communities

October 24 – 25, 2020 Online

SATURDAY OCTOBER 24, 2020 | 9:00-10:30am PST, 11:00-12:30pm CST, 12:00-1:30pm EDT
Welcome and Keynote Speakers

Re-Building Trusting Relationships: Lessons Learned from Enacting Culturally Relevant Pedagogy | Dr. Sheila Borges Raiguru, Rutgers University

How the NGSS Science and Language Instructional Shifts Support Each Other for English Learners | Dr. Okhee Lee, NYU Steinhardt

GENERAL STEM
Fostering a Positive Culture of Error in Middle School Math | Sinclair Wu, San Francisco CA

Quantum Physics Outreach Program (QPOP)! From quantum theory to quantum technology: how the laws of the microscopic world are shaping our future | Sebastian Will, Dept. of Physics, Columbia University, and Paul Bianchi Horace Greeley HS NY Prof. Sebastian Will,
SATURDAY OCTOBER 24, 2020 | 2:45-4:15pm PST, 4:45-6:15pm CST, 5:45-7:15 PM EDT

Day 1: Block D

WORKING GROUPS

CULTURALLY RESPONSIVE STEM

STEPUP #2. STEP UP: A Social Movement to Promote Cultural Change in Physics | Jason Sullivan, Mariel Kolker, Natasha Collova, Shannon Greco, Montgomery HS, NJ/STEMteachersNYC

GENERAL STEM

Amazingly Versatile STEAM Activities Using Only Paper, Tape & Scissors | Godwyn Morris and Paula Frisch, Skill Mill NYC

STEPUP+C: Using Tinkercad in the Classroom | Isabel Mendiola and Peter Haydock, Hingham WI

Culture building through GAMES on Zoom | Elissa Levy, Life Science Secondary School NY/STEMteachersNYC

Vernier Software and Technology tools for Remote learning and beyond | David Carter and Gary Myers, OR

PyMol! Strengthening virtual Chemistry and Biology instruction through 3D modeling | Daniel Fried and Maria Voigt

SUNDAY, OCTOBER 25, 2020 | 9:00-10:30am PST, 11:00-12:30pm CST, 12:00-1:30pm EDT

Day 2: Block A

CULTURALLY RESPONSIVE STEM

Planning for Culturally Responsive Teaching | Raxha Bhagdev, Hamilton High School, Chandler AZ/STEMteachersPHX

Increasing Equity in STEM curriculum via Local Alumni Focus Groups | Chris Resch and Glen Stuart, Montgomery HS, NJ/STEMteacherNYC

GENERAL STEM

Simple, Fun, and engaging STEM lessons | Spencer Sharp, Southern Wells Elem School, W Poneto IN

Teaching with Scientific Articles and Research | Evie Wong, Science With Evie, NY

STEMSS Lessons To Support Language Learners | Karen Guerrero, Arizona State Univ, Mesa AZ

Grading With Equity In Mind | Tanea Hibler, Brophy College Preparatory, Phoenix AZ/STEMteachersPHX, and Ariel Serkin, Norfolk County Agricultural HS, Warpole MA/STEMteachersMassBay
SUNDAY, OCTOBER 25, 2020 | 1:00-2:30pm PST, 3:00-4:30pm CST, 4:00-5:30 PM EDT

Day 2: Block C

CULTURALLY RESPONSIVE STEM

Harmonizing Culture and STEAM: Integrating Cultural Responsiveness to STEAM Curriculum | John Carlo Tulinao and Jasfer Familiaran, Amberlea Elementary School, AZ

Using Culturally Responsive STEM and Social Justice Education To Build Student Critical Consciousness | Yvonne Thevenot, STEM Kids NYC

Boost English Development and STEM learning in first generation immigrants? | Melineh Zohrabian, Teach Communication through Science, Glendale CA

Providing equitable STEM to all students | Jessica Cordaro, Reacher Cyber Charter School, Bear Creek Tsp, PA

EcoRise – Student-Driven Learning through Eco-Audits | Zakhia Grant, EcoRise, Austin TX

GENERAL STEM

Virtual Professional Development for Elementary STEM Teachers in the Time of COVID-19 | Juliette Guario Berg, The Chapin School NY, Kate Macaulay Hunter College Elementary School NY, Dieuwertje (DJ) Kast, USC Joint Educational Project STEM Programs, NY & CA/STEMteachersNYC

Starting your Organization: Writing a mission statement. Establishing a board, Basics of Grant writing | Jennifer Herring, STEMteachersNYC

SUNDAY, OCTOBER 25, 2020 | 2:45-4:15pm PST, 4:45-6:15pm CST, 5:45-7:15 PM EDT

Day 2: Block D

COLLABORATIVE COMMUNITY CLOSING