

VIRGINIA ASSOCIATION OF SCIENCE TEACHERS
November 2022 Professional Development Institute
Concurrent Session Presentations
(Draft as of July 12)

COMMERCIAL EXHIBITOR PRESENTATIONS

Pam Caffery, hand2mind

Title: Integrate Makerspace for Concept Development

Grade Level: ELEM Content Area: STEM

Pam Caffery, hand2mind

Title: Coding for the Ages

Grade Level: ELEM Content Area: STEM

Pam Caffery, hand2mind

Title: Phenomenal Hands-On Kits

Grade Level: ELEM Content Area: STEM

Chelsea Chandler, STEMscopes by Accelerate Learning

Title: Use Literacy & Writing Elements to Enhance Science Lessons

Grade Level: ELEM Content Area: General, STEM, ELA and Reading Integration

Chelsea Chandler, STEMscopes by Accelerate Learning

Title: Engaging Student Engineers: Designs for Your Sci Classroom

Grade Level: ELEM-MS Content Area: Engineering, STEM

Erin Dlott, EVERFI

Teagan Seeley, EVERFI

Title: Providing Equitable Access to STEM Skills and STEM Careers

Grade Level: ALL GRADES Content Area: Environmental Science, Math in Science, STEM

Kim Dye, School Specialty

Title: Your Standards, Your Time, Your Students

Grade Level: ELEM Content Area: General

Kim Dye, School Specialty

Title: Better Together: Hands-On Science and Active Literacy

Grade Level: ELEM-MS Content Area: General

Michelle Grooms, Texas Instruments

Title: Science in Motion

Grade Level: MS-HS Content Area: Biology/Life Science, STEM

Naomi Hartl, School Specialty LLC/Frey Scientific

Title: Choose Your Own Robotics Adventure!

Grade Level: ALL GRADES Content Area: STEM

Taylor Ingles, American College of Education

Title: Integrating Social Responsibility into the Science Classroom

Grade Level: ALL GRADES Content Area: Biology/Life Science, Environmental Science, General

Cheryl Lindeman, Carolina.com

Title: Hands-on Plus! Driving Student-Centered Learning K-5

Grade Level: ELEM Content Area: Biology/Life Science, Physics/Physical Science, STEM

Cheryl Lindeman, Carolina.com

Title: Exploring OpenSciEd from Carolina

Grade Level: MS Content Area: STEM

Jenna Mercury, ExploreLearning

Title: Now Trending: Science Simulations to Make Things Stick!

Grade Level: ELEM Content Area: General, STEM

Jenna Mercury, ExploreLearning

Title: Next Level Learning with Interactive STEM Cases

Grade Level: MS-HS-COL Content Area: General, STEM, Project Based Learning

Angie Meredith, hand2mind

Pam Caffery, hand2mind

Title: Science & Math Lesson Integration with STEM Challenges

Grade Level: ELEM-MS Content Area: STEM

Kimberly Rice, Five Ponds Press

Title: Reconnecting STEM with Science Standards for Elementary

Grade Level: ELEM Content Area: Engineering, STEM

Kimberly Rice, Five Ponds Press

Title: Reconnecting STEM with Science Standards for Middle School

Grade Level: MS Content Area: Engineering, STEM

Tamica Stubbs, Bio-Rad Explorers

Title: Real CRISPR Gene Editing and PCR Genotyping!

Grade Level: HS-COL Content Area: Biology/Life Science

Carrie Weber, WorldStrides

Kiersten Teitelbaum, WorldStrides

Title: Engaging Students with Science Using Local News and Events

Grade Level: ELEM-MS-COL Content Area: Environmental Science, General, STEM

Joselyn Whetzel, Legends of Learning

Brooke Fields, Legends of Learning

Title: Level Up Standards-Based Content with Game-Based Learning!

Grade Level: ELEM-MS Content Area: Biology/Life Science, Math in Science, STEM

Christina Womble, Plasma Games

Frank Maraboli, Plasma Games

Title: Level Up Your Science/STEM Program with Game Based Learning

Grade Level: MS-HS Content Area: Chemistry, Physics/Physical Science

NOT-FOR-PROFIT EXHIBITOR PRESENTATIONS

Pamela Dixon Kuhn, Science Research for All, Inc.

Title: Integrating Original Research in a Science Curriculum

Grade Level: MS-HS Content Area: STEM

Lindsey Horner, WHRO Public Media

Title: Say Hello to the New eMediaVA: VA's Free Media Library

Grade Level: ALL GRADES Content Area: Earth/Space Science, Biology/Life Science, General

Devin Jefferson, Science Museum of Virginia

Title: Community Science at the Science Museum of Virginia:

Grade Level: MS-HS-COL Content Area: Environmental Science, STEM

Lisa Lawrence, VIMS/VA Sea Grant

Celia Cackowski, VIMS/VA Sea Grant

Bethany Smith, VIMS/VA Sea Grant

Sarah Nuss, VIMS/CBNERR

Title: Scallops & A Deep-Sea Killer: Research to K-12 Classroom

Grade Level: MS-HS-COL Content Area: Biology/Life Science, Oceanography

Bianca Myrick, Virginia Association for Environmental Education

Title: Environmental Education Connections

Grade Level: ALL GRADES Content Area: Environmental Science

Remy Pangle, James Madison University Center for the Advancement of Sustainable Energy

Pam Northam, Retired

Dawit Haile, Virginia State University

Title: Exploring Renewable Energy Resources Available Throughout VA

Grade Level: ALL GRADES Content Area: Env Sc through STEM Apply

Natalie Rhodes, CodeVA

Valerie Fawley, CodeVA

Title: Strategies for CS Integration in the MS Science Classroom

Grade Level: MS Content Area: Biology/Life Science, General

Angela Rizzi, NASA Langley Research Center

Desiray Wilson, NASA Langley Research Center

Title: Earth Science Data Resources for Multilingual Learners

Grade Level: ALL GRADES Content Area: Earth/Space Science

Demetrice Smith-Mutegi, Old Dominion University

Title: Applying the Science of Learning to Assess Science Learning

Grade Level: ALL GRADES Content Area: General

Kimberly Swan, National Energy Education Development Project

Title: Ooh's & Aah's of Energy Transformations

Grade Level: ALL GRADES Content Area: Chemistry, Physics/Physical Science

Kimberly Swan, National Energy Education Development Project

Title: Exploring Solar Energy

Grade Level: MS-HS Content Area: Physics/Physical Science, STEM

Kimberly Swan, National Energy Education Development Project

Title: Exploring Offshore Wind Energy

Grade Level: MS-HS Content Area: Physics/Physical Science, STEM

Kimberly Swan, National Energy Education Development Project

Emily Hawbaker, National Energy Education Development Project

Title: Hands-on with Climate Science

Grade Level: HS Content Area: Environmental Science

Bill Williams, Virginia Society of Ornithology, Virginia Junior Academy of Science

Title: Using Bird Data To Meet Living Systems & Processes Standards

Grade Level: ALL GRADES Content Area: Biology/Life Science, Environmental Science, Math in Science

John Gray Williams, Virginia Tech - College of Natural Resources and Environment

Title: STEM Majors in Sustainability, Environment, & Conservation

Grade Level: HS-COL Content Area: Biology/Life Science, Environmental Science, STEM

Betty Wilson, Virginia Department of Aviation

Title: ICON A5 Introduction to Flight Program

Grade Level: ALL GRADES Content Area: Physics/Physical Science, STEM

ATTENDEE PRESENTATIONS

Barbara Adcock, Powhatan County Public Schools

Lisa Brown, Powhatan County Public Schools

Title: MWEE: Engaging Watershed Activity

Grade Level: ALL GRADES Content Area: Biology/Life Science, Environmental Science, STEM

Susan Bardenhagen, AIAA & SWE Educator Associate

Title: STEAM-Infused Instruction Gives Agency to All Learners

Grade Level: ELEM Content Area: STEM + the ARTS = STEAM

Stephanie Bender, Salem Church Middle School

Patricia Thurston, Salem Church Middle School

Title: Hatching in Higher Grades

Grade Level: MS-HS Content Area: Biology/Life Science, Environmental Science

Kathryn Bender, Monticello High School

Title: DIY Classroom Manipulatives on Cutting Machines (ex. Cricut)

Grade Level: ALL GRADES Content Area: Biology/Life Science, General, STEM

Seth Berkeley, Harrisonburg High School

Title: Physics Ideas Shareathon

Grade Level: MS-HS Content Area: Physics/Physical Science

Seth Berkeley, Harrisonburg High School

Title: Tabletop Physics Demos and Activities

Grade Level: HS Content Area: Physics/Physical Science

Clair Berube, Virginia Wesleyan University
Sueanne McKinney, Old Dominion University
Title: "STAR" Teacher Traits and Turnover in Urban STEM Classrooms
Grade Level: ALL GRADES Content Area: General, STEM

Paul Bielema, Noel C Taylor Learning Academy
Title: Gimkit: Fun for Them, Information for You
Grade Level: ALL GRADES Content Area: General

Timothy Bill, Harrisonburg High School
Title: Thirty Years of Formal Learning: A Personal Journey
Grade Level: ALL GRADES Content Area: General

Lynn Black, Virginia Agriculture in the Classroom
Title: Every Day is Earth Day with Agriculture in the Classroom
Grade Level: ELEM Content Area: General

Anne Bryant, Cedar Lee Middle School
Michael Kennedy, University of Virginia
Rachel Kunemund, University of Virginia
Title: Making Science Inclusive: Interactive Vocabulary Instruction
Grade Level: MS Content Area: Biology/Life Science, Physics/Physical Science, General

Anne Bryant, Cedar Lee Middle School
Title: Natural Inquirer: A Free Resource for Science
Grade Level: ALL GRADES Content Area: Biology/Life Science, Physics/Physical Science, General

Jessa Campbell, Albemarle County Public Schools
Sandy Shaffer, Albemarle County Public Schools
Charli Nolan, Albemarle County Public Schools
Title: Sensational Strategies to Integrate CS into Science
Grade Level: ELEM Content Area: General, STEM, Interdisciplinary

Heather Carberry, Edward E Drew Middle School
Rebecca Garrett, Edward E Drew Middle School
Jeremy Utt, T Benton Gayle Middle School
Title: NASA Inventions = Living Like Astronauts
Grade Level: ELEM-MS Content Area: Earth/Space Science, STEM

Shanan Chappell Moots, Old Dominion University
Melani Loney, Old Dominion University
Keisha Tennessee, Virginia Department of Education
Natalie Rhodes, CodeVA
Title: Integrating Computer Science in the K-5 Classroom
Grade Level: ELEM Content Area: Computer Science Integration

Sara Chaves Beam, Chesapeake Bay Governor's School
Title: Using StoryMap to Teach Ocean Acidification Impacts
Grade Level: HS-COL Content Area: Earth/Space Science, Biology/Life Science, Environmental Science

Janine D'Elia, Chesterfield County Public Schools

Emily Stains, Chesterfield County Public Schools

Title: Building Literacy In Secondary Science

Grade Level: MS-HS Content Area: General

Cindy Duncan, Independent Consultant

Title: Trailblazing Ideas for Re-Imagining Education

Grade Level: ALL GRADES Content Area: General

Cindy Duncan, Chesapeake Bay Foundation

Kathlean Davis, Chesapeake Bay Foundation

Title: Chesapeake Bay Foundation - Education Programs

Grade Level: ALL GRADES Content Area: Biology/Life Science, Environmental Science, STEM

Martina Dunlap, Norfolk Public Schools

Demetrice Smith-Mutegi, Old Dominion University

Title: Social Emotional Learning and Classroom Discourse

Grade Level: MS Content Area: General

Elizabeth Edmondson, Virginia Commonwealth University

Title: Engaging Inquiry: Pre-service Teachers Share Tested Lessons

Grade Level: MS-HS Content Area: Earth/Space Science, Biology/Life Science, Environmental Science

Elizabeth Edmondson, Virginia Commonwealth University

Title: Real Science: Science teachers in Research Labs

Grade Level: MS-HS-COL Content Area: STEM

Thomas Fitzpatrick, Roanoke City Public Schools

Angelo Bonilla, Breckinridge Middle School

Leslie Barrett, Breckinridge Middle School

Title: Five E Model: Ways to Engage the Students in Science

Grade Level: ELEM-MS Content Area: Physics/Physical Science, General, STEM

Cindy Frenzel, Virginia Department of Forestry

Title: Project Learning Tree

Grade Level: ELEM-MS Content Area: Biology/Life Science, Environmental Science, General

Amanda Gardner Gardner, Virginia High School

Title: Antibiotic-Resistant Bacteria and Recycled Water

Grade Level: HS-COL Content Area: Biology/Life Science, Environmental Science

Mollianne George, Fairfax County Public Schools

Title: Grading for Equity: Summative and Standards-Based Assessment

Grade Level: MS-HS-COL Content Area: General

Lydia Grote, James River High School- Chesterfield County

Title: Trash Talk: Engaging ELLs in Science & Math

Grade Level: MS-HS Content Area: Environmental Science, Math in Science

Kristie Gutierrez, Old Dominion University
Jennifer Kidd, Old Dominion University
Minjung Lee, Old Dominion University
Title: Teaching Elementary Engineering Lessons Across Disciplines
Grade Level: ELEM Content Area: Engineering, STEM

Don Haas, The Paleontological Research Institution
Jonathan Hendricks, The Paleontological Research Institution
Title: Earth Science of the Southeast: Free Online Interactive Text
Grade Level: ALL GRADES Content Area: Earth/Space Science, Environmental Science

Erika Hackworth, Woodrow Wilson Middle School: Roanoke City Public Schools
Title: Life Science and cells: No more boring worksheets
Grade Level: ELEM-MS Content Area: Biology/Life Science

Robbie Higdon, James Madison University
Andy Jackson, James Madison University
Seth Shantz, Harrisonburg High School Governor's STEM Academy
Title: ESCAPE-Eco, Social, Cultural, Across-Planet Education
Grade Level: HS-COL Content Area: General, STEM

Andrew Jackson, Harrisonburg City Public Schools
Gabbie Meis, Qubit by Qubit
Students in the Program, Harrisonburg High School
Title: Quantum Computing for YOUR High School Students!
Grade Level: HS Content Area: Physics/Physical Science, Engineering, STEM

Andrew Jackson, Harrisonburg City Public Schools
Seth Shantz, Harrisonburg City Public Schools
Erich Sneller, Harrisonburg City Public Schools
Students in the Program, Harrisonburg High School
Title: HABR - High Altitude Balloon Research
Grade Level: HS-COL Content Area: Environmental Science, Engineering, Authentic Student Research

Rudo Kashiri, Virginia Space Grant Consortium
Cindy Watson, Bedford County Schools/Forest Middle School
Title: Plant the Moon Challenge
Grade Level: ALL GRADES Content Area: General, STEM

Chris Kaznosky, Central High School (Shenandoah County)
Steve Leslie, James Madison University Department of Geology and Environmental Science
Title: The Backyard Mystery: How to Discover My Geologic History
Grade Level: ALL GRADES Content Area: Earth/Space Science

Carla Kersten, Goochland Middle School
Title: Exploring the Earth with Google Earth
Grade Level: MS Content Area: Earth/Space Science

Jennifer Kidd, Old Dominion University

Kristie Gutierrez, Old Dominion University

Minjung Lee, Old Dominion University

Title: Navigating Barriers & Challenges: K-6 Engineering Education

Grade Level: ALL GRADES Content Area: Engineering, General, STEM

Meredith Kier, College of William & Mary

Secondary Science Preservice Teachers College of William and Mary,

Title: Inclusive Teaching of the Bird-Beak Lab

Grade Level: MS-HS Content Area: Biology/Life Science

Kate Kogge, US Department of Energy

Title: The Albert Einstein Distinguished Educator Fellowship in DC

Grade Level: ALL GRADES Content Area: General, STEM

Russell Kohrs, Massanutten Regional Governor's School for Environmental Science and Technology

Title: Geovirtual Reality Field Experiences

Grade Level: ALL GRADES Content Area: Earth/Space Science

Russell Kohrs, Virginia Cave Board

Title: The Virginia Cave Board: Resources for Teaching Karst!

Grade Level: ALL GRADES Content Area: Earth/Space Science, Environmental Science

Melinda Landry, Prince William County Schools

Jessica Doiron, Prince William County Schools

Title: Place-Based Learning: Using Waste Audits to Bring Change

Grade Level: ALL GRADES Content Area: Env. Science, Math in Science, Cross Curricular Env. Literacy

Kathryn Lanouette, College of William & Mary

Title: Centering Place and Space in Elementary Science Lesson Plans

Grade Level: ELEM Content Area: General

Cheryl Lindeman, Central Virginia Regional Science Fair

Elizabeth Schuppe, Amherst County Public Schools

Allison Kappler, Bedford County Public Schools

Lani Patrick, Campbell County Public Schools

Title: We can make it work! : New Momentum for Science Fairs

Grade Level: ELEM-MS Content Area: STEM

Jeff Lukens, Roosevelt High School, Sioux Falls, SD

Title: Flattening the Curve of the Zombie Apocalypse

Grade Level: ALL GRADES Content Area: Biology/Life Science, Math in Science, STEM

Jeff Lukens, Roosevelt High School, Sioux Falls, SD

Title: Infect Your Science Classroom with Math!

Grade Level: MS-HS Content Area: Math in Science, General, STEM

Jeff Lukens, Roosevelt High School, Sioux Falls, SD

Title: Order Up a Helping of Forensics, With a Side of Maggots!

Grade Level: MS-HS Content Area: General, STEM

Liz Lynch, Patrick Henry Elem. School (Martinsville City)
Karlee Young, Patrick Henry Elementary School (Martinsville City)
Cameron Cooper, Patrick Henry Elem. School (Martinsville City)
Ashley Taylor, Patrick Henry Elementary School (Martinsville City)
Title: Using Machine Learning (AI) in the Elementary Classroom
Grade Level: ELEM Content Area: Engineering, General, STEM

Gregory MacDougall, Virginia Department of Education
Anne Petersen, Virginia Department of Education
Title: PAEMST Information Session
Grade Level: MS-HS Content Area: General

Gregory MacDougall, Virginia Department of Education
Title: Growing out of the Classroom: Becoming a Science Leader
Grade Level: ALL GRADES Content Area: Science Education Leadership

Victoria MacEntee, Woodside High School (Newport News Public Schools)
Title: Finding Funding for STEM Education
Grade Level: ALL GRADES Content Area: STEM

Victoria MacEntee, Woodside High School (Newport News Public Schools)
Title: Science News in the Classroom
Grade Level: MS-HS Content Area: General, STEM

Jennifer Maeng, University of Virginia
Anne Peterson, Virginia Department of Education
Sarah Nuss, Virginia Institute of Marine Science
Title: College and University Science Educators Share Session
Grade Level: HS-COL Content Area: General, STEM

Jennifer Maeng, University of Virginia
Title: Exclusively for Pre-service Teachers - What YOU Need to Know
Grade Level: ALL GRADES Content Area: Preservice Teacher Session

Jennifer Maeng, University of Virginia
Title: Get involved with JVSE! There is Room for Everyone!
Grade Level: ALL GRADES Content Area: General

Katherine Mangum, St. Catherine's School
Title: TOP Chocolate Bar Design Challenge
Grade Level: ELEM-MS Content Area: STEM

Anne Mannarino, Regent University
Title: People, Resources and the Environment – It's Elementary!
Grade Level: ELEM Content Area: Biology/Life Science, Environmental Science, Math in Science

David Matchen, Madison County High School
Jennifer Sharp, Floyd County High School
Jill Collins, Martinsville City Public Schools
Tony Wayne, Albemarle High School
Title: Coffee Chat with the VAST Content Chairs
Grade Level: ALL GRADES Content Area: General

David Matchen, Madison County High School

Richard Howell, Tabb High School

Title: Using Rock ID to Build Skills in Scientific Inquiry

Grade Level: HS Content Area: Earth/Space Science, Environmental Science

William McConnell, Virginia Wesleyan University

Melissa Economou, Norfolk Collegiate School

Michelle McNaughton, Norfolk Collegiate School

Lolita Kraft, Norfolk Collegiate School

Title: Invasive species are taking over our playground!

Grade Level: ELEM Content Area: Earth/Space Science, Biology/Life Science, Environmental Science

Debbie Mickle, VPM, Virginia's home for Public Media

Melinda VanDevellder, Virginia Commonwealth University, School of Education

Title: What's Bugging You?

Grade Level: MS-HS Content Area: Biology/Life Science, Environmental Science

Christopher Moran, The Teacher Institute for Evolutionary Science

Title: Evolution! It's all in the Family!

Grade Level: MS Content Area: Biology/Life Science

Christopher Moran, ScienceSaves

Title: ScienceSaves! Spread the Word!

Grade Level: ALL GRADES Content Area: General

Sarah Nuss, Chesapeake Bay National Estuarine Research Reserve - VA

Anna Caputo, Virginia Institute of Marine Science

Title: Coastal Acidification in the Classroom

Grade Level: MS-HS-COL Content Area: Biology/Life Science, Chemistry, Environmental Science

Heather Overkamp, I.C. Norcom High School

Title: Bring Biotechnology to Your Class on a Budget

Grade Level: HS-COL Content Area: Biology/Life Science, Engineering, STEM

Lori Pawlik, Prince William County Schools

Title: No TIME for Science!

Grade Level: ELEM Content Area: General, STEM

Laura Perrine, Lynnhaven Middle school

Title: Earth Science Capstone Project: An alternative assessment

Grade Level: MS-HS Content Area: Earth/Space Science

Anne Petersen, Virginia Department of Education

Gregory MacDougall, Virginia Department of Education

Myra Thayer, Virginia Department of Education

Title: VDOE Update

Grade Level: ALL GRADES Content Area: General

Anne Petersen, Virginia Department of Education

Tyler Waybright, Virginia Department of Education

Myra Thayer, Virginia Department of Education

Title: State Assessments and the 2018 Science Standards of Learning

Grade Level: ALL GRADES Content Area: General

Paul Reibach, Colonial Forge HS and Commonwealth Governor's School

Title: Probeware for Biology and Chemistry Labs

Grade Level: HS-COL Content Area: Biology/Life Science, Chemistry, Environmental Science

Eric Rhoades, Pivot Interactives

Title: Transforming How You Teach Science

Grade Level: MS-HS-COL Content Area: Biology/Life Science, Chemistry, Physics/Physical Science

Donna Rowlett, Gate City High School

Jinx Rasmussen, Virginia High School (Bristol)

Title: Reconnect-Recover-Reengage: 3 R's of Interactive Notebooks

Grade Level: MS-HS Content Area: Biology/Life Science, Environmental Science

Tara Rudo, Virginia Institute of Marine Science

Sarah Nuss, Virginia Institute of Marine Science

Lisa Lawrence, Virginia Institute of Marine Science

Celia Cackowski, Virginia Institute of Marine Science

Title: Sands to Drones: Research Translated to K-12 Classrooms

Grade Level: ALL GRADES Content Area: Biology/Life Science, Environmental Science, STEM

Jennifer Saleeba, Ferrum Elementary School/ Franklin County Public Schools

Lisa Angell, Ferrum Elementary/ Franklin County Public Schools

Victoria Taylor, Henry Elementary/Franklin County Public Schools

Ashli Johansson, Henry Elementary/Franklin County Public Schools

Title: Engaging All Learners Proficiently

Grade Level: ALL GRADES Content Area: Physics/Physical Science, General, STEM

Paul Sarandria, Manor High School

Cami Field, Churchland High School

Title: BayQUEST

Grade Level: MS-HS Content Area: Earth/Space Science, Biology/Life Science, Environmental Science

Patrick Scharf, Louisa County Middle School

Title: Using Real Time Data for Authentic Projects

Grade Level: MS-HS Content Area: Biology/Life Science, Environmental Science

Natasha Schuh-Nuhfer, Northern Virginia Community College

Lisbeth Valladares Hernandez, Northern Virginia Community College

Title: Micro:bit Coding and Technology for the Science Classroom

Grade Level: ELEM-MS Content Area: Biology/Life Science, STEM

Erich Sneller, Harrisonburg City Public Schools

Title: Classroom Dialogue: The Bedrock of Great Teaching & Learning

Grade Level: ALL GRADES Content Area: General

Tyler St. Clair, Longwood University

Benjamin Campbell, Longwood University

Title: Clearing the Air: Addressing Misconceptions about Gases

Grade Level: HS Content Area: Chemistry

Tatsu Takeuchi, Virginia Tech Department of Physics

Title: Newton's Laws and the Conservation of Momentum

Grade Level: HS-COL Content Area: Physics/Physical Science

Keisha Tennessee, Virginia Department of Education

Anne Petersen, Virginia Department of Education

Title: Using Robotics as a Vehicle for STEM

Grade Level: ELEM Content Area: STEM

Myra Thayer, Virginia Department of Education

Anne Petersen, Virginia Department of Education

Gregory MacDougall, Virginia Department of Education

Title: Exploring Science Literacy

Grade Level: ELEM Content Area: General

Myra Thayer, Virginia Department of Education

Anne Petersen, Virginia Department of Education

Gregory MacDougall, Virginia Department of Education

Title: What do I do About Vocabulary?

Grade Level: ALL GRADES Content Area: General

Myra Thayer, Virginia Department of Education

Anne Petersen, Virginia Department of Education

Gregory MacDougall, Virginia Department of Education

Title: Gotta Talk: Using Discourse in the Science Classroom

Grade Level: ALL GRADES Content Area: General

Melinda VanDevelder, Virginia Commonwealth University, School of Education

Suzanne Kirk, Virginia Commonwealth University School of Education

Title: Macro Mania

Grade Level: ALL GRADES Content Area: Biology/Life Science, Environmental Science

Scott Watson, Liberty University

Title: Teaching and Learning about Variables in Science

Grade Level: ALL GRADES Content Area: General, STEM

Erin Watson, York County Public Schools

Craig Doolittle, Williamsburg / James City County Public Schools

Title: Life Science Liveliness

Grade Level: MS Content Area: Biology/Life Science

Erin Watson, York County Public Schools

Title: How To Teach Like Peter Pan

Grade Level: ALL GRADES Content Area: General

Cindy Watson, Bedford County Schools/Forest Middle School

Erika Mabry, Bedford County Schools/Forest Middle School

Title: Mission to Mars: Mimicking Perseverance & Ingenuity Activity

Grade Level: ELEM-MS Content Area: Earth/Space Science, Math in Science, STEM

Cassi Weathersbee, Patriot High School, Prince William County Schools

Title: Dive in: Linking Ocean Exploration to Your Class

Grade Level: MS-HS Content Area: Earth/Space Science, Environmental Science

Angela Webb, James Madison University

Title: Using Talk as Tool for Learning in High School Science

Grade Level: HS Content Area: General

Angela Webb, James Madison University
Emily Stewart, James Madison University
Title: Experiencing Science as a Language Learner
Grade Level: ALL GRADES Content Area: General

Anne Weiss, NASA Langley Office of STEM Engagement
Title: Explore Solar System & Beyond: NASA Astrobiology
Grade Level: ALL GRADES Content Area: Earth/Space Science, Biology/Life Science, Chemistry

Anne Weiss, NASA Langley Office of STEM Engagement
Title: NASA Digital Badging Resources for Educators & Students
Grade Level: ALL GRADES Content Area: STEM

Anne Weiss, NASA Langley Office of STEM Engagement
Title: Explore Earth: Monitoring Microplastic Pollution from Space
Grade Level: ALL GRADES Content Area: Earth/Space Science, Biology/Life Science, Environmental Science

Brandi Williams, Matoaca Middle School/Chesterfield County
Title: Resources for Teaching the Science of Virginia
Grade Level: ALL GRADES Content Area: Earth/Space Science, Biology/Life Science, Environmental Science

Georgette Willis, Park Ridge Elementary School (Stafford County)
Debbie Novalski, Park Ridge Elementary (Stafford County)
Dawn Hillis, King George County
Title: "What the Flow is Going On?" -- (All about flowcharts)
Grade Level: ELEM Content Area: Computer Science in the Classroom

Laurie Witt, Albert Harris Elementary School, Martinsville City Public Schools
Krista Hodges, Dan River Basin Association
Title: Reach Out Locally, Form Connections, Make Contributions Now
Grade Level: ALL GRADES Content Area: Environmental Science, STEM

Laurie Witt, Albert Harris Elementary School, Martinsville City Public Schools
Krista Hodges, Dan River Basin Association
Title: Make the Most of Your Space by Creating a Green Schoolyard
Grade Level: ALL GRADES Content Area: Environmental Science, STEM

Laurie Witt, Albert Harris Elementary School, Martinsville City Public Schools
Title: Elementary Science Teachers Meet Up
Grade Level: ELEM Content Area: Elementary Science, STEM