

Conference Schedule

GEORGE R. BROWN CONVENTION CENTER

WEDNESDAY, NOVEMBER 8, 2023

TIME	EVENT	LOCATION
4:00 p.m.–7:00 p.m.	Registration & Information	Level 3 Concourse

THURSDAY, NOVEMBER 9, 2023

TIME	EVENT	LOCATION
7:00 a.m.–5:00 p.m.	Registration & Information	Level 3 Concourse
7:45 a.m.–8:45 a.m.	First-Time Attendees' Coffee	Ballroom C
8:00 a.m.–9:00 a.m.	Workshops	Meeting Rooms
9:30 a.m.–10:45 a.m.	Keynote Session	General Assembly
11:00 a.m.–5:00 p.m.	Exhibit Hall Open	Hall B3
11:30 a.m.–12:30 p.m.	Workshops	Meeting Rooms
1:00 p.m.–2:00 p.m.	Workshops	Meeting Rooms
1:30 p.m.–3:30 p.m.	Extended Sessions	Meeting Rooms
2:30 p.m.–3:30 p.m.	Workshops	Meeting Rooms
4:00 p.m.–5:00 p.m.	Workshops	Meeting Rooms
5:30 p.m.–7:30 p.m.	STAT's "A Night of Wonders" Presented by STEMscopes	The Plaza

FRIDAY, NOVEMBER 10, 2023

TIME	EVENT	LOCATION
7:30 a.m.–4:30 p.m.	Registration & Information	Level 3 Concourse
8:00 a.m.–9:00 a.m.	Workshops	Meeting Rooms
8:00 a.m.–10:00 a.m.	Extended Sessions	Meeting Rooms
8:00 a.m.–10:00 a.m.	STEM Spectacular	342AD
9:00 a.m.–5:00 p.m.	Exhibit Hall Open	Hall B3
9:30 a.m.–10:30 a.m.	Workshops	Meeting Rooms
11:00 a.m.–12:00 p.m.	Workshops	Meeting Rooms
12:30 p.m.–1:30 p.m.	Workshops	Meeting Rooms
2:00 p.m.–3:00 p.m.	Workshops	Meeting Rooms
2:30 p.m.–4:30 p.m.	Extended Sessions	Meeting Rooms
3:30 p.m.–4:30 p.m.	Workshops	Meeting Rooms
4:30 p.m.–6:00 p.m.	Happy Hour Presented by Summit K12	Level 3 Concourse

SATURDAY, NOVEMBER 11, 2023

TIME	EVENT	LOCATION
7:30 a.m.–10:00 a.m.	Registration	Level 3 Concourse
7:30 a.m.–1:30 p.m.	Information	Level 3 Concourse
8:00 a.m.–12:00 p.m.	Exhibit Hall Open	Hall B3
8:00 a.m.–9:00 a.m.	Workshops	Meeting Rooms
9:30 a.m.–10:30 a.m.	Workshops	Meeting Rooms
9:30 a.m.–11:30 a.m.	Extended Sessions	Meeting Rooms
11:00 a.m.–12:00 p.m.	Workshops	Meeting Rooms
12:30 p.m.–1:30 p.m.	Workshops	Meeting Rooms

STAT Chats

Visit a STAT Chat for a 20–30-minute TED Talk-style presentation offering quick looks at the hottest topics in science education. Please refer to the **STATCAST** mobile app for complete descriptions of the STAT Chats. These sessions are presented on a staggered schedule to provide flexibility.

Friday, November 10 | 362D

EXHIBITOR SESSION

Unleashing the Curiosity of Scientific Thinkers Through Three-Dimensional (3-D) Instruction

8:20 a.m.–8:40 a.m.

ID: 50147 | Pre-K–Grade 12

Alicia Conerly, Ed.D., RPA TREKs

Becoming a Texas Certified Environmental Educator

11:00 a.m.–11:20 a.m.

ID: 20277 | Pre-K–Grade 12

Brian McDaniel, Vice President, TAE

Strengthening Scientific Literacy in the Classroom

1:40 p.m.–2:00 p.m.

ID: 20301 | Grades 6–12

Melissa Samuels, Educational Consultant, The Good Teacher Inc.; Jasmine Jones, Science Teacher, Dallas ISD

EXHIBITOR SESSION

Power Up Phenomena-Driven Inquiry and Discovery

11:40 a.m.–12:00 p.m.

ID: 50150 | Pre-K–Grade 12

Lisa Kerscher, Co-Founder & Chief UX/UI Officer, RPA TREKs

Executing Research and the Engineering Design Process in the STEM CTE Classroom

2:20 p.m.–2:40 p.m.

ID: 20232 | Grades 9–12

Jasmine Jones, Science Teacher, Dallas ISD; Melissa Samuels, Educational Consultant, The Good Teacher Inc.; Taylor Villanueva, Science Teacher, Skyline High School

EXHIBITOR SESSION

From Inspiration to Transformation: Fostering Science Initiatives That Represent a Diversity of Communities

12:00 p.m.–12:20 p.m.

ID: 50153 | Pre-K–Grade 12

Alicia Conerly, Ed.D., RPA TREKs

The Science of Science Misconceptions: A Look at How the Human Brain Develops Misconceptions and What Educators Can Do About IT

3:00 p.m.–3:20 p.m.

ID: 20400 | Pre-K–Grade 12

Dawn Rubio, State K–8 Science Curriculum Development Lead, ESC Region 13

EXHIBITOR SESSION

Exploring Inquiry and Inclusion: Unlocking the Potential of ELLs in the Science Classroom

1:00 p.m.–1:20 p.m.

ID: 50152 | Pre-K–Grade 12

Angie Maxey, Director of Accessibility, RPA TREKs

Blended Learning Using Moodle LMS to Maximize Teacher Productivity and Student Engagement in Astronomy, Environmental, and Biology

3:40 p.m.–4:00 p.m.

ID: 20190 | Grades 9–12

Rino Vincenti, Astronomy Teacher, Dallas ISD; Adabella Benitez, Environmental Systems Teacher, Skyline High School; Victor Davila Borja, Biology Teacher, Skyline High School

Virtual Geology Field Trips: Bringing the Story of Rock Formations to Today's Classroom

10:20 a.m.–10:40 a.m.

ID: 20100 | Grades 9–12

Ed Marintsch, Ph.D., Science Teacher/Rocketry Mentor, St. Thomas High School; Fran Marintsch, Retired Science Teacher, Spring Branch ISD

Thank You to Our
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Thursday Extended Sessions

Two-hour courses that provide more in-depth looks at specific topics. Extended Sessions are open to all attendees on a first-come, first-served basis. For complete descriptions of the Extended Sessions, please visit the **STATCAST** mobile app.

EXTENDED SESSIONS | 1:30 p.m.–3:30 p.m.

3-D Lessons Start With 3-D Learning Targets

ID: 20039 | **Pre-K–Grade 12** | 342AD

Courtney Toht, Secondary Science Coordinator, Northwest ISD

Building Relationships in the Science Classroom

ID: 20141 | **Pre-K–Grade 12** | 372AD

Todd Pope, Science Curriculum Coordinator, Judson ISD

Energize the Future: Energy Demand and Consumption and the Impact on Carbon Emissions

ID: 20292 | **Grades 9–12** | 382C

Sabrina Ewald, Teacher, University of Texas; **Hilary Olson, Ph.D.**, Associate Professor of Instruction, University of Texas; **Jon Olson, Ph.D.**, Professor and Cockrell Family Chair, University of Texas

Experience Three-Dimensional Learning

ID: 20322 | **Grades 3–8** | 372CF

Molly Ewing, Professional Learning and Implementation Specialist, The Charles A. Dana Center, University of Texas; **Shelly LeDoux, Ed.D.**, Director, Professional Learning and Implementation, The Charles A. Dana Center, University of Texas

Exploring Opportunities to Learn Science Through Cognitively Demanding Tasks

ID: 20038 | **Grades 6–12** | 332CF

Joyce Lin, Associate Director of Teaching Fellows, Knowles Teacher Initiative; **Laura Shafer**, Program Officer, Teacher Development & Academy Instructor, Knowles Teacher Initiative

How Do Landscapes Recover After a Wildfire? A Model Lesson Implementing the New TEKS

ID: 20204 | **Grades 6–12** | 332BE

Tina Hovance, Secondary Science Coordinator, Katy ISD; **Lindi Kudlacek**, Secondary Science Coordinator, Katy ISD

AFFILIATE SESSION

ISEA Presents: Science Alive K–12—Teaching With Invertebrates!

ID: 50014 | **Pre-K–Grade 12** | 350B

Sara Ramirez, Teacher, Dallas ISD Environmental Education Center

New Teacher Classroom Toolbox

ID: 20299 | **Grades 6–12** | 380A

Cynthia Maye, Teacher, Red Oak ISD; **Nana Baffour**, Teacher/Department Chair Science, FBISD; **Tala'Shandria Allen**, Department Chair Science/Teacher, Young Women's College Preparatory Academy; **Kristin Villarreal**, Program Coordinator, Klein ISD

STAAR WARS: May the Scores Be With You

ID: 20317 | **Grades 6–12** | 381AB

Arlevia Davis, Science Instructional Specialist/Teacher, Mansfield Legacy High School

Teaching Physics to All Students: Curriculum and Pedagogy Appealing to Nontraditional Students

ID: 20178 | **Grades 6–12** | 350A

Philomena Agu, Ed.D., Teacher, Houston ISD

EXHIBITOR SESSION

There's Been a Fire! Solve With Science Using Xplorlabs Fire Forensics

ID: 50101 | **Grades 6–12** | 371CF

Megan O'Keeffe, Senior Content Specialist, UL Research Institutes; **Jess Sparacino**, UL Research Institutes; **Becki White**, UL Research Institutes

Transform Your SCR Mindset

ID: 20092 | **Grades 3–8** | 352F

Celeste Garza, Secondary Science Coordinator, McAllen ISD; **Stephanie Beltran**, Elementary Science & Social Studies Coordinator, McAllen ISD

AFFILIATE SESSION

TSELA Presents: Confused? How Does Three-Dimensional Teaching Impact Me as a Science Leader?

ID: 50031 | **Pre-K–Grade 12** | 352D

Lisa Smith, K–12 Science Coordinator, Bryan ISD

Unlocking the Secrets of Microplastics in Our Gulf Coast

ID: 20179 | **Grades 9–12** | 380B

Mariana Quinn, Assistant Director for Science Education, Rice University Office of STEM Engagement

Unlocking the Wonders of Science: Engage, Excite, and Empower Adolescents With Learning Disabilities

ID: 20102 | **Grades 3–8** | 382AB

Almitra Berry, Ed.D., Author/Researcher/Consultant, ALBerry Consulting

Thursday Workshops

One-hour presentations by individuals or groups in a classroom setting. Open to all conference attendees on a first-come, first-served basis. For complete descriptions of the Workshops, please visit the **STATCAST** mobile app.

SESSIONS | 8:00 a.m.–9:00 a.m.

EXHIBITOR SESSION

Biology Lab It Up

ID: 50148 | Grades 9–12 | 371BE

Brock O'Shell, Customer Success Consultant, National Geographic Learning/Cengage

Engaging Science Instruction for the Redesigned STAAR: Strategies for Interactive Learning and Assessment

ID: 20202 | Grades 6–8 | 380B

Gayla Davidson, 7th Grade Science Teacher, WIPRO Science Fellow

EXHIBITOR SESSION

No Wrong Turns: Onramps Into STEM Careers

ID: 50133 | Grades 6–12 | 371CF

Daniel Sternberg, UL Research Institutes; **Stephanie Desisto**, Lead Project Coordinator, UL Research Institutes; **Katey Shirey**, UL Research Institutes

The Bitter Truth: Exploring Acids and Bases With Junk Food

ID: 20320 | Grades 6–8 | 340B

Brittany Schwartz, 8th Grade Science Teacher, Katy ISD

EXHIBITOR SESSION

Exploring Mendelian Inheritance With Dog Genetics

ID: 50063 | Grades 9–12 | 351AD

Robert Dennison, Biology Teacher, miniPCR bio

Bringing Kinematic Equations to Life Using Graphics and Animations

ID: 20052 | Grades 9–12 | 380A

Lalaine Ferrer, Instructional Technology Specialist, Cypress-Fairbanks ISD

EXHIBITOR SESSION

It All Begins With Water

ID: 50204 | Grades 6–12 | 361BE

Ruth Hutson, Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

A Phenomenal Approach to Notebooking: Putting the Engagement Into Interactive Print and Digital Notebooks

ID: 50191 | Grades K–5 | 360CF

Amanda Perez, Curriculum Specialist, McGraw Hill; **Andrea Jenkins**, Curriculum Specialist, McGraw Hill

EXHIBITOR SESSION

Electrophoresis 101: For the Novice and Seasoned

ID: 50118 | Grades 9–12 | 370BE

Mallorie Parks, Instructional Coach, Crandall ISD

EXHIBITOR SESSION

Learning With LEGO Education

ID: 50209 | Pre-K–Grade 12 | 351BE
LEGO Education

Embedding Scientific Inquiry Into the New Curriculum

ID: 20331 | Grades 9–12 | 350B

Ulises Galaviz, Instructional Officer-Secondary Science, San Elizario ISD

EXHIBITOR SESSION

Left at the Scene of the Crime: High School Forensics

ID: 50217 | Grades 9–12 | 350D

Brian Eli, Marketing Coordinator, Edvotek

EXHIBITOR SESSION

Phenomenal Phenomena: Using Phenomena to Engage Students in Science

ID: 50161 | Pre-K–Grade 12 | 361AD

Melissa Hampton, Director of Teaching and Learning, Discovery Education; **Evan Sanchez**, Curriculum Specialist for Teaching and Learning, Discovery Education

EXHIBITOR SESSION

Lessons in Climate Change: Understanding Ocean Acidification

ID: 50135 | Grades 6–12 | 361CF

Vernier

THURSDAY WORKSHOPS

EXHIBITOR SESSION

Rigorous Thinking and Discussions With STEMscopes Elements and CER

ID: 50089 | Pre-K–Grade 12 | 360AD

Shequelle Gims, STEMscopes by Accelerate Learning; **Elizabeth Esparza**, Regional STEM Coach, STEMscopes by Accelerate Learning

EXHIBITOR SESSION

Seamlessly Integrating Kate the Chemist Video Series in Your Classroom

ID: 50204 | Pre-K–Grade 12 | 370AD

Kate Biberdorf, Ph.D., Professor, University of Texas

Searching for ET: Exoplanets and Planetary Habitability

ID: 20353 | Grades 6–12 | 330B

Keely Finkelstein, Ph.D., Associate Professor of Instruction McDonald Observatory; **Judy Meyer, Ph.D.**, Senior Outreach/Education Program Coordinator, McDonald Observatory

Start Your Engines: Middle School Physics Fun

ID: 20017 | Grades 6–8 | 350E

Amy Rush, STEM/GT/7th Grade Science Teacher, Lufkin Middle School; **Becky Walker**, STEM/GT Teacher, Lufkin Middle School

EXHIBITOR SESSION

Structure and FUNction! Organ Dissection to Meet Your TEKS

ID: 50207 | Grades 6–12 | 360BE

Laurie Nixon, Teaching Partner, Carolina Biological Supply

Teaching Science With Children's Literature: Conductors and Insulators

ID: 20416 | Grades K–5 | 350A

Philomena Agu, Ed.D., Teacher, Houston ISD

AFFILIATE SESSION

TESTA Presents: Mineral Matters

ID: 50040 | Grades 6–8 | 350C

Kathryn Barclay, TESTA

AFFILIATE SESSION

TSAAPT Presents: How to Integrate Computer Science Into a Physics/IPC Classroom Without Losing Your Mind

ID: 50078 | Grades 9–12 | 350F

Chris Orban, Ph.D., Associate Professor of Physics, Ohio State University

Unique Microscope Tips and Techniques to Help With Current Curriculum

ID: 20250 | Grades 6–12 | 330A

Jeremy LeBlanc, Channel Partner Manager, Accu-Scope Inc.

SESSIONS | 11:30 a.m.–12:30 p.m.

Adapting Animals: A Student's Perspective on Hands-on Investigations

ID: 20200 | Pre-K–Grade 12 | 330A

Di Copeman, 4th Grade Math/Science Teacher, Midway ISD

EXHIBITOR SESSION

Awesome Activities for the Revised TEKS

ID: 50011 | Pre-K–Grade 12 | 371AD

Michael DiSpezio, Houghton Mifflin Harcourt

EXHIBITOR SESSION

Avogadro's Law and Order: Investigating a Rocket Launch Failure

ID: 50137 | Grades 9–12 | 361CF

Vernier

"Barbie and the Beast" Genetics Lab

ID: 20196 | Grades 6–12 | 372CF

Rhonda Perez, Biology Teacher, Endeavor High School

Big, Fun, Outdoor Eighth-Grade Science! Using Campus-Based Informal Science to Review Key Concepts

ID: 20112 | Grades 6–8 | 352F

Tamara Butler, Academic Facilitator, Wipro Science Education Fellowship; **Lindsay Reeves**, Natural Science Center Facilitator, Grand Prairie ISD; **Deanna Chapman**, Science Teacher, Young Women's Leadership Academy at Arnold; **Megan Hunt**, Science Teacher, Grand Prairie ISD

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

THURSDAY WORKSHOPS

EXHIBITOR SESSION

Building a Comprehensive Vocabulary Program

ID: 50179 | Pre-K–Grade 12 | 360CF

Julie Jackson, Ph.D., Professor,
Texas State University

EXHIBITOR SESSION

Early Learning With LEGO Education

ID: 50210 | Pre-K–Grade 2 | 351BE

LEGO Education

EXHIBITOR SESSION

From Research to Classrooms. How ULRI is Engaging the Future of Safety Science With (Free) Xplorlabs.org

ID: 50102 | Grades 6–12 | 371CF

Megan O’Keeffe, Senior Content
Specialist, UL Research Institutes;
Daniel Sternberg, UL Research
Institutes

Can We Stay in for Recess?!

ID: 20290 | Grades K–5 | 352B

Ian Talamantes, Teacher, Grand
Prairie ISD

EXHIBITOR SESSION

Eclipsing Your Digital Expectations in Astronomy Using Virtual Labs and Simulations

ID: 50149 | Grades 9–12 | 371BE

Mark Hoffman, Senior Product
Marketing Manager, National
Geographic Learning/Cengage

EXHIBITOR SESSION

CER-iously Fun: Engaging Students in Science With the Claim, Evidence, Reasoning Model

ID: 20362 | Grades 6–8 | 362D

Sara Classen, Event Marketing
Manager, BrainPOP

Full “STEAM” Ahead With Ward’s World!

ID: 20308 | Grades 3–5 | 340A

Dee Mock, Account Manager, Ward’s
Science/Avantor

EXHIBITOR SESSION

Elementary Science Techbook for Texas: Discover How Easy It Is to LOVE Science!

ID: 50162 | Grades K–5 | 361AD

Melissa Hampton, Director of
Teaching and Learning, Discovery
Education; **Evan Sanchez**,
Curriculum Specialist for Teaching
and Learning, Discovery Education

Data Detectives: Unlocking the Power of Data Science

ID: 20171 | Grades 6–12 | 382C

Brittany Templeton, Assistant
Director for Computer Science and
Mathematics, Rice University Office
of STEM Engagement

Growing Your Own Food: Gardening, Learning, and Cooking

ID: 20276 | Grades K–5 | 350A

Esmeralda Del Rosario, Teacher,
Alvarado ISD

I CER You!

ID: 20173 | Grades 9–12 | 382AB

Candace Edmerson, Biology
Teacher, Duncanville High School
Collegiate Academy

Deep (Dish) Dive Into the Updated Food Science TEKS

ID: 20064 | Grades 9–12 | 381C

Cecilia Largey, Biology/Food
Science Teacher, Ferris High
School; **Cody Patton**, Biology/
AP Environmental Science/Drone
Teacher, Ferris High School

Elements and the Periodic Table (Kit 109S)

ID: 20184 | Grades 6–8 | 352C

Billee Procknow, Marketing and
Events Manager, Lab-Aids

EXHIBITOR SESSION

Exploring the Recurring Themes and Concepts with the NSTA Quick-Reference Guide to the Three Dimensions

ID: 50220 | Grades 3–8 | 352A

Ted Willard, Senior Subject Matter
Expert in Science, Discovery
Education

Designing Interactive Museum Exhibits

ID: 20230 | Grades 9–12 | 380B

Kira Lowery, High School Biology
Teacher, Hays CISD

EXHIBITOR SESSION

Introducing Your Students to Gene Editing With CRISPR

ID: 50219 | Grades 9–12 | 350D

Maria Dayton, Marketing
Coordinator, Edvotek

EXHIBITOR SESSION

Microbe Hunters: A Hands-on Lab to Bring Space Science Into the Biology Classroom

ID: 50064 | Grades 6–12 | 351AD

Marc Bliss, Program Lead for Genes in Space, miniPCR bio

Minimum Prep, Maximum Thinking! Inquiry-Based Science

ID: 20123 | Grades 9–12 | 340B

Deanna Buckley, Ph.D., Master Teacher, University of Texas at Austin

Moving to Teaching in 3-D With the New TEKS: What Is CER?

ID: 20313 | Grades 6–8 | 381AB

Kathleen Malooly, Kesler Science

The Multilingual Scientist: Nurturing Inquiry and Language Development With ELPS in Diverse Classrooms

ID: 20371 | Pre-K–Grade 12 | 332CF

Nadia Bruner, Co-Founder, RPA TREKS; **Angie Maxey**, Director of Accessibility, University of St. Thomas-Houston, RPA TREKS

Murder, Mayhem, and All Things Forensic

ID: 20191 | Grades 9–12 | 372BE

Lori Barber, Educator, Ford High School

The Power of Place in Environmental Education

ID: 20097 | Grades 9–12 | 350B

Shari Carswell, Environmental Educator, Cypress-Fairbank ISD; **Sydney McDaniel**, Campus Instructional Coach, Cypress-Fairbanks ISD; **Kayla Johnson**, Special Education Teacher, Cypress-Fairbanks ISD

Preserving Dark Skies: The Environment's Last Frontier

ID: 20349 | Grades 6–12 | 330B

Judy Meyer, Ph.D., Senior Outreach/Education Program Coordinator, McDonald Observatory; **Keely Finkelstein, Ph.D.**, Associate Professor of Instruction, McDonald Observatory

EXHIBITOR SESSION

Restriction Digest Basics

ID: 50119 | Grades 9–12 | 370BE

Donna Pattison, Ph.D., Instructional Professor, University of Houston

Rooted in Science

ID: 20192 | Grades 6–12 | 352E

Tiffany Ballow, Program Manager/Louisiana Regional Representative, Nutrients for Life Foundation

EXHIBITOR SESSION

TEKS-Aligned Investigations for Teaching With Wisconsin Fast Plants Across K–12

ID: 50228 | Pre-K–Grade 12 | 360BE

DeeDee Whitaker, Carolina Biological Supply

AFFILIATE SESSION

TESTA Presents: It's Just a Rock, or Is It?

ID: 50041 | Grades 6–8 | 350C

Kathryn Barclay, TESTA

Tips and Tricks for Secondary Interactive Notebooking

ID: 20395 | Grades 6–12 | 342BCEF

Kaelyn Parks-Callen, Academic Support Teacher/Ph.D. Student, Texas A&M University/Katy ISD

EXHIBITOR SESSION

Transforming K–2 Science With STEMscopes in 2024

ID: 50109 | Pre-K–Grade 2 | 360AD

STEMscopes by Accelerate Learning

Transforming Traditional Laboratories Into Challenge-Based Learning Experiences

ID: 20223 | Grades 6–12 | 380A

Andrew Kipp, Ed.D., Clinical Assistant Professor-STEM Education, Texas A&M University

AFFILIATE SESSION

TSAAPT Presents: Physics Investigations Using Sensors in Smartphones

ID: 50057 | Grades 9–12 | 350F

David Rakestraw, Ph.D., Senior Scientist, Lawrence Livermore National Laboratory

AFFILIATE SESSION

TSELA Presents: Raising the Recruitment Bar—Retention Strategies for Highly Qualified Science Leaders

ID: 50026 | Pre-K–Grade 12 | 352D

Omah Williams-Duncan, Ph.D., Houston-Clear Lake; **Carol Waters**, Ed.D.

Turning Knowledge Into Action: A Journey From Research to Activity

ID: 20399 | Grades 3–8 | 332BE

Isaías Cerda, Associate Director for Science Education, Rice University; **Mariana Quinn**, Assistant Director for Science Education, Rice University Office of STEM Engagement

EXHIBITOR SESSION

Uncooking the Egg: Modeling Protein Structure and Denaturation

ID: 50202 | Grades 9–12 | 361BE

Mark Arnholt, Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

Unlocking the Future: Seamlessly Merging 2024 Biology TEKS With Dynamic Biology

ID: 50192 | Grades 9–12 | 370AD

Gail Sones, Content Author, Summit K12; **Jean Chambers**, Content Author, Summit K12; **Rama Chintapalli**, Content Author, Summit K12

Word Walls: Not Just for Elementary Anymore!

ID: 20098 | Grades 6–8 | 350E

Rebecca Machost, Middle School Science Teacher, Whitehouse Junior High; **Melissa Woodfin**, Middle School Science Teacher, Whitehouse Junior High

SESSIONS | 1:00 p.m.–2:00 p.m.

AFFILIATE SESSION

ACT2 Presents: Science and Culture—Chemistry Connections

ID: 50075 | Grades 6–12 | 352E

Joel Morales, Pre-AP Chemistry Teacher, IDEA North Mission

EXHIBITOR SESSION

Building Three- Dimensional Instruction Using SEPs and RTCs

ID: 50104 | Grades K–5 | 360BE

Carolina Biological Supply

Enrichment Experiences in Engineering (E3)

ID: 20325 | Grades 6–12 | 362D

Morgan Krauss, Program Specialist, Engineering/Spark!; **Pamela Simmons-Brooks**, Program Manager, Texas A&M University, College of Engineering, Spark! PK–12 Engineering Education Outreach

AI: Friend or Foe?

ID: 20225 | Pre-K–Grade 12 | 342BCEF

Jean Chambers, Science Teacher, Pflugerville ISD; **Louis Morales**, High School Biology/Physics Teacher, Georgetown High School

EXHIBITOR SESSION

Dive Deep Into the World of Aquatic Science With National Geographic Explorers

ID: 50187 | Grades 9–12 | 371BE

Amy Strong, Customer Success Consultant/Trainer, National Geographic Learning/Cengage

EXHIBITOR SESSION

Genes in Space: A Free Experimental Design Competition

ID: 50065 | Grades 6–12 | 351AD

Sebastian Kraves, miniPCR; **Marc Bliss**, Program Lead for Genes in Space, miniPCR bio

EXHIBITOR SESSION

Bring Out Every Student's Inner Scientist

ID: 50169 | Pre-K–Grade 12 | 371AD

Houghton Mifflin Harcourt

EXHIBITOR SESSION

DNA Forensics Solves the Murder Mystery of Dr. Ward

ID: 50120 | Grades 9–12 | 370BE

Brandi Elsayed, Science Teacher, Johnson High School

EXHIBITOR SESSION

Building Access for ELLs With LEGO Education Solutions

ID: 50211 | Pre-K–Grade 12 | 351BE

LEGO Education

EXHIBITOR SESSION

Empowering Women in STEM: Breaking Barriers, Inspiring Futures

ID: 50202 | Pre-K–Grade 12 | 360CF

Jennifer Stimpson, Ed.D., Educator, Innovator, Scientist, If/Then

Get Dynamic With Stations: Rotations in the Middle School Classroom

ID: 20264 | Grades 6–8 | 330B

Emma Arett, 7th Grade Science Teacher, Solar Preparatory School for Girls

Have Seeds, Will Travel

ID: 20254 | Grades K–5 | 352B

Jessica Liken, Academic Program Manager, Dallas Arboretum; **Selena Wilson**, VP of Education, Dallas Arboretum

THURSDAY WORKSHOPS

How Human Decomposition Facilities Can Support Your Educational, Research, and Training Needs

ID: 20126 | Grades 9–12 | 322B

Haeli Kennedy, Lab Manager, Southeast Texas Applied Forensic Science Facility, Sam Houston State University

EXHIBITOR SESSION

Secondary Science Techbook for Texas: Discover How Easy It Is to LOVE Science!

ID: 50160 | Grades 6–12 | 361AD

Melissa Hampton, Director of Teaching and Learning, Discovery Education; **Evan Sanchez**, Curriculum Specialist for Teaching and Learning, Discovery Education

AFFILIATE SESSION

TABT Presents: Alternative Foods and How to Feed 10 Billion

ID: 50081 | Grades 6–12 | 350E

Chris Carrell, Teacher/Science Department, Head Llano High School

EXHIBITOR SESSION

Hurry Up and Wait: Utilizing “Downtime” in Plasmid Ligation (and Other Biotechnology) Wet Labs

ID: 50200 | Grades 9–12 | 361BE

Mark Arnholt, Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

Sparking Curiosity: Hands-On Experiments for Elementary Students

ID: 50138 | Grades K–5 | 361CF

Vernier

Tackling New TEKS Topics in Grade 3

ID: 20150 | Grades 3–5 | 381C

Rosemary Martin, Owner/Consultant Math & Science Cut Ups

Leadership in Schools Through Action Research: Opportunity for Rapid-Cycle Continuous Improvement in the Classroom

ID: 20296 | Pre-K–Grade 12 | 322A

Remelia Arpino, High School Science Teacher, Rice University Office of STEM Engagement; **Rebecca Hiatt**, Middle School Science Teacher, Houston ISD

STEMtastic Mornings: Stairsteps to Success

ID: 20234 | Pre-K–Grade 12 | 352A

Megan Hunt, 8th Grade Science Teacher, Grand Prairie ISD/Wipro Fellow; **Kristin Martinez**, 6th Grade STEM Teacher, YWLA at Arnold; **Ragina Taylor**, STEM & CTE Facilitator, Grand Prairie ISD; **Sharon Thornton**, Instructional Media Specialist, Grand Prairie ISD

Take Control of Bacterial Gene Expression

ID: 20041 | Grades 9–12 | 352C

Karen Davis, Consultant

TEA Presents: Science and Engineering Practices in the New TEKS

ID: 20238 | Pre-K–Grade 12 | 330A

Carla Bailey, Elementary Math and Science Specialist, TEA; **Liz Baker**, Secondary Science Specialist, TEA

EXHIBITOR SESSION

Phenomenal Science Instruction: Making Sense of Sensemaking in Middle School

ID: 50193 | Grades 6–8 | 370AD

Michael Claypool, Content Author, Summit K12; **Elizabeth Gonzalez**, Content Author, Summit K12; **Caroline Reeves**, Content Author, Summit K12

EXHIBITOR SESSION

Strategies to Support Emergent Bilingual Students in the Science Classroom

ID: 50093 | Grades K–5 | 360AD

Veronica Burnett, Regional STEM Coach, STEMscopes by Accelerate Learning; **Elizabeth Esparza**, Regional STEM Coach, STEMscopes by Accelerate Learning

AFFILIATE SESSION

TESTA Presents: Born Under the Silvery Moon

ID: 50042 | Grades 6–8 | 350C

Kathryn Barclay, TESTA

Tips and Tricks for Secondary Vocabulary

ID: 20391 | Grades 6–12 | 310C

Kaelyn Parks-Callen, Academic Support Teacher/Ph.D. Student, Texas A&M University/Katy ISD

EXHIBITOR SESSION

Better Scientists, Better Sweet Science: Exploring Complex Mixtures With Biotechnology

ID: 50216 | Grades 6–12 | 350D

Maria Dayton, Marketing Coordinator, Edvotek

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

THURSDAY WORKSHOPS

AFFILIATE SESSION

TSAAPT Presents: Using Google Colab to Explore Stellar Spectroscopy

ID: 50024 | Grades 9–12 | 350F

Jimmy Newland, Teacher, Houston ISD; **Justin Hickey**, Physics Teacher, Episcopal High School

EXHIBITOR SESSION

Why BIOZONE's Biology for Texas Should Be on Your Resource List

ID: 50128 | Grades 9–12 | 372BE

Richard Allan, CEO, BIOZONE

EXHIBITOR SESSION

Words Matter: Problems (and Solutions) to Consider in Teaching About Work and Energy

ID: 50156 | Grades 9–12 | 340A

Gay Stewart, Eberly Professor of STEM Education, West Virginia University

SESSIONS | 2:30 p.m.–3:30 p.m.

AFFILIATE SESSION

ACT2 Presents: Science and Generations—Cringeworthy or Contemporary?

ID: 50074 | Grades 6–12 | 352E

Joel Morales, Pre-AP Chemistry Teacher, IDEA North Mission

EXHIBITOR SESSION

Dynamic DNA: More Than Just A's, and T's, and C's, and G's

ID: 50085 | Grades 9–12 | 361BE

Tim Herman, Ph.D., Science Officer, 3D Molecular Designs

EXHIBITOR SESSION

Get the FACTS

ID: 50177 | Pre-K–Grade 12 | 360CF

Page Keeley, Author, NSTA Past President

All About Nuclear

ID: 20336 | Grades 6–12 | 322B

Stephanie Taylor, Ph.D., Associate Professor of Instruction, University of Texas at Dallas

EXHIBITOR SESSION

Energy Games, Chants, and Plays: Introducing Energy Literacy to Primary Students!

ID: 20029 | Grades K–3 | 372BE

Nina Corley, Science Department Chair/Grant Writer, NEED Project

Hacking the Science Classroom

ID: 20388 | Grades 6–8 | 310C

Alix Brite, 8th Grade Science Teacher, Athens ISD

Birder She Wrote

ID: 20158 | Grades 9–12 | 352A

Tessah Zepeda, Forensic Science Teacher, Los Fresnos High School

EXHIBITOR SESSION

Exploring the Genetics of Taste: SNP Analysis of the PTC Gene Using PCR

ID: 50088 | Grades 9–12 | 350D

Maria Dayton, Marketing Coordinator, Edvotek

EXHIBITOR SESSION

The Journey Starts Now! Phenomena-Based Inquiry and Sensemaking for Grades 4–5

ID: 50196 | Grades 3–5 | 370AD

Katherine McCaffrey, Content Author, Summit K12; **Bonnie Austin**, Content Author, Summit K12; **Terry White**, Content Author, Summit K12

EXHIBITOR SESSION

Build Impactful Scientific and Engineering Practices With LEGO Education

ID: 50212 | Grades K–5 | 351BE

LEGO Education

EXHIBITOR SESSION

Featured Creatures

ID: 50208 | Grades 6–12 | 360BE

DeeDee Whitaker, Carolina Biological Supply

EXHIBITOR SESSION

Let's Get Physical: Human Physiology Experiments

ID: 50139 | Grades 9–12 | 361CF

Vernier

Byte-Size STEM

ID: 20077 | Grades 6–8 | 352B

Jessica Kohout, Environmental Educator, Howard County Conservancy

THURSDAY WORKSHOPS

EXHIBITOR SESSION

Let's Get Real: Connecting Student Interest to Diverse STEM Career Pathways

ID: 50205 | Grades 6–12 | 361AD
Discovery Education

EXHIBITOR SESSION

Sickle Cell Genetics: The Inheritance Puzzle

ID: 50121 | Grades 9–12 | 370BE
Kirstie Wilber, Health Science Teacher, Health Careers High School

AFFILIATE SESSION

TESTA Presents: S.O.A.R. (Solar, Ocean, Atmosphere, and Reactions)

ID: 50043 | Grades 6–8 | 350C
Kathryn Barclay, TESTA

EXHIBITOR SESSION

Leveraging Models to Cultivate Science and Engineering Practices (SEPs): Middle School

ID: 50173 | Grades 6–8 | 330B
Tobi McMillan, Co-Owner, Think Big Learning; Marianne Dobrovolsky, Co-Owner, Think Big Learning

Splitting Their Light: Understanding Wavelengths of the Electromagnetic Spectrum

ID: 20231 | Grades 6–12 | 330A
Jim Manley, Educator, Dallas Arboretum; Cherry Guentzel, High School Teacher, Leander ISD

EXHIBITOR SESSION

Transforming Science With STEMscopes in 2024

ID: 50113 | Pre-K–Grade 12 | 360AD
STEMscopes by Accelerate Learning

EXHIBITOR SESSION

Recurring Themes and Concepts in the New TEKS

ID: 50130 | Pre-K–Grade 12 | 371AD
Peter McLaren, Houghton Mifflin Harcourt

Tackling New TEKS Topics in Grade 4

ID: 20152 | Grades 3–5 | 381C
Rosemary Martin, Owner/Consultant Math & Science Cut Ups

AFFILIATE SESSION

TSAAPT Presents: Cheap and Easy Physics Labs and Videos

ID: 50021 | Grades 6–12 | 350F
Deborah Armstrong, Physics/Engineering/Robotics Teacher, Mineola High School

Science in the News

ID: 20213 | Grades 9–12 | 362D
Misty Heredia, Physics Teacher, Los Fresnos High School

EXHIBITOR SESSION

"Take the Challenge" Integrated Physics and Chemistry for Texas

ID: 50100 | Grades 9–12 | 340B
Tracy Marmolejo, Professional Learning Manager, Activate Learning

Understanding Public Health Crises: An Interdisciplinary Middle School Lesson on Pandemics

ID: 20396 | Grades 6–8 | 352C
Uchenna Emenaha, Assistant Professor, University of Texas at San Antonio

EXHIBITOR SESSION

Science Standards and Content for Inclusion and Instructional Design

ID: 50151 | Grades 9–12 | 371BE
Catherine Quinlan, Ed.D., Associate Professor of Science Education, Howard University

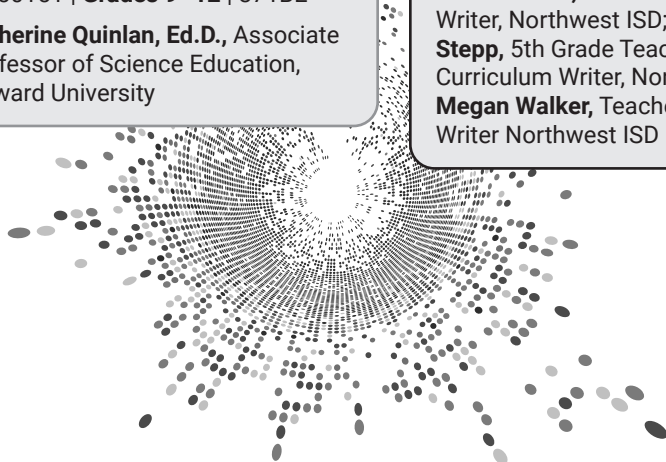
AFFILIATE SESSION

TCES Presents: Phenomenal Phenomena

ID: 50225 | Grades 3–5 | 350E
Valerie Sims, Teacher/Curriculum Writer, Northwest ISD; Heather Stepp, 5th Grade Teacher/Curriculum Writer, Northwest ISD; Megan Walker, Teacher/Curriculum Writer Northwest ISD

Wait, WHAT?! Using Phenomenon-Based Discrepant Events to Trigger Inquiry

ID: 20059 | Pre-K–Grade 12 | 342BCEF
Matt Wells, Science Department Chair/GT Trainer, Cypress Lakes High School



SESSIONS | 4:00 p.m.–5:00 p.m.

AI, Oh My! Pulling Back the Curtain on Artificial Intelligence Tools

ID: 20387 | **Pre-K–Grade 12** | 332BE

Jason Baughman, Science/Health/PE Coordinator, Allen ISD

Are You Up for the Challenge?

ID: 20005 | **Grades K–5** | 352B

Carol Waters, Ed.D., Assistant Professor, STEM Education University of Houston–Clear Lake

EXHIBITOR SESSION

Bring CRISPR/Cas to Your Class

ID: 50066 | **Grades 9–12** | 351AD

Allison Nishitani, Ph.D., Curriculum Director, miniPCR bio

EXHIBITOR SESSION

Can You Escape the Discovery Education Room?

ID: 50168 | **Pre-K–Grade 12** | 361AD

Kristy Vincent, Texas Director, Discovery Education, Inc.

The Case of the Home Break-in: A Simulated Blood Typing CSI

ID: 20073 | **Grades 9–12** | 352F

Brittney Wade, Forensic Science Teacher, Anderson-Shiro CISD

EXHIBITOR SESSION

Building Future-Ready Middle School Students With LEGO Education

ID: 50213 | **Grades 6–8** | 351BE

LEGO Education

Dark Energy Explorers: Citizen Science in the Classroom

ID: 20352 | **Grades 6–12** | 372CF

Keely Finkelstein, Ph.D., Associate Professor of Instruction, McDonald Observatory; **Lindsay House**, Graduate Research Fellow, University of Texas; **Judy Meyer, Ph.D.**, Senior Outreach/Education Program Coordinator, McDonald Observatory

EXHIBITOR SESSION

ELISA Essentials: Unlocking the Power of Immunoassays

ID: 50218 | **Grades 9–12** | 350D

Maria Dayton, Marketing Coordinator, Edvotek

EXHIBITOR SESSION

Energize Claims and Evidence Through Smithsonian Science for the Classroom

ID: 50105 | **Grades K–5** | 360BE

Hoover Herrera, Professional Learning Facilitator, Carolina Biological Supply

EXHIBITOR SESSION

Get AP Ready: Find Your Next AP Science Program

ID: 50163 | **Grades 9–12** | 340A

Mari Negrete, Executive Sales Representative, BFW Publishers; **Cassidy Krogulski**, Senior Sales Specialist, BFW Publishers

The Great Explainer and How You Can Use His Method to Help Your Students Be More Effective Learners and Studiers

ID: 20355 | **Grades 9–12** | 380B

Amanda Galbincea, Classroom Teacher/District Course Lead, Katy ISD; **Shari Carswell**, Environmental Educator, Cypress-Fairbanks ISD

EXHIBITOR SESSION

Hypercholesterolemia: Too Young for High Cholesterol

ID: 50122 | **Grades 9–12** | 370BE

Kirstie Wilber, Health Science Teacher, Health Careers High School

Introduction to Equilibrium With Technology!

ID: 20047 | **Grades 9–12** | 352C

Chris Coker, Science Teacher/Department Chair, Camden Fairview High School

AFFILIATE SESSION

ISEA Presents: What's the Deal With Texas Water?

ID: 50055 | **Grades 3–8** | 350B

Bess Reisberg, Education Manager, The Meadows Center for Water and the Environment

EXHIBITOR SESSION

It's All in the Genes: Exploring Mendelian and Non-Mendelian Inheritance Through Modeling

ID: 50205 | **Grades 6–12** | 361BE

Ruth Hutson, Science Educator, 3D Molecular Designs

Just Fun and Games: Enriching, Joyful, and Quick Games for Science Classrooms

ID: 20267 | **Grades 6–8** | 330B

Emma Arett, 7th Grade Science Teacher, Solar Preparatory School for Girls

THURSDAY WORKSHOPS

EXHIBITOR SESSION

Let's Engage Students Through Inquiry and Phenomena-Based Instruction

ID: 50092 | Pre-K–Grade 12 | 360AD

Jessica Morse, Regional STEM Coach, STEMscopes by Accelerate Learning; **Cyndi Loter**, Regional STEM Coach, STEMscopes by Accelerate Learning

EXHIBITOR SESSION

Leveling Up Your CTE Health Science Classroom: Learn How Using Digital Learning Resources and Best Instructional Practices Helps Learners Learn

ID: 50154 | Grades 9–12 | 371BE

Jeremy Walts, Executive Product Marketing Manager, National Geographic Learning/Cengage

EXHIBITOR SESSION

Leveraging Models to Cultivate Science and Engineering Practices (SEPs): Elementary

ID: 50172 | Grades K–5 | 372AD

Marianne Dobrowolny, Co-Owner, Think Big Learning; **Tobi McMillan**, Co-Owner, Think Big Learning

Lost Kid Finds Home at NASA

ID: 50111 | Pre-K–Grade 12 | 320

Steven Smith, STEM Education Specialist, NASA

Merging 3-D With 5E

ID: 20081 | Grades K–5 | 350A

Hanna Roach, Education Specialist, Region 4 ESC

Model Rocketry: An Interactive Approach to Physics Principles and Tomorrow's STEM Careers

ID: 20099 | Grades 9–12 | 322A

Ed Marintsch, Ph.D., Science Teacher/Rocketry Mentor, St. Thomas High School; **Pete Nordloh, Ph.D.**, Teacher, St. Thomas High School

Moving to Teaching in 3-D With the New TEKS: What Are Recurring Themes?

ID: 20318 | Grades 6–8 | 382AB

Macie Rains, Curriculum Alignment Manager, Kesler Science

The Mysteries of Exoplanets and the Life They May Hold

ID: 20240 | Grades 6–12 | 330A

Cherry Guentzel, High School Teacher, Leander ISD; **Jim Manley**, Teacher, Dallas Arboretum

Oil, Natural Gas, and Their Energy

ID: 20025 | Grades 6–12 | 372BE

Nina Corley, Science Department Chair/Grant Writer, NEED Project

Photosynthesis and Cellular Respiration

ID: 20182 | Grades 6–8 | 340B

Billee Procknow, Marketing and Events Manager, Lab-Aids

Pre-Coding: Computational Thinking in the Early Childhood Classroom

ID: 20034 | Pre-K–Grade 2 | 362D

Esmeralda Ramirez, Early Childhood Consultant

Scientific Practices and Children's Literature

ID: 20265 | Pre-K–Grade 12 | 352A

Julie Jackson, Ph.D., Associate Professor, Texas State University

Sci-Fi Life Science: Elaborating About Inherited Traits With Pokémon

ID: 20138 | Grades 3–8 | 380A

Omah Williams-Duncan, Ph.D., Associate Professor, University of Houston-Clear Lake

EXHIBITOR SESSION

Shift Your Thinking: Unpack the New Science TEKS

ID: 50201 | Pre-K–Grade 12 | 360CF

Vicki Roberts, Curriculum Specialist, McGraw Hill

Tackling New TEKS Topics in Grade 5

ID: 20151 | Grades 3–5 | 381C

Rosemary Martin, Owner/Consultant, Math & Science Cut Ups

AFFILIATE SESSION

TAAE Presents: Project WILD—Modeling as a Contact Sport

ID: 50054 | Grades 9–12 | 332CF

Maricela Ramirez, Science Teacher/Remote Learning Instructor, Donna ISD; **Keith Gentry**, Teacher, Frenship High School; **Jennifer Adams**, Tomball ISD

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

THURSDAY WORKSHOPS

AFFILIATE SESSION

TCES Presents: Prepping Your Class for Student-Led Learning

ID: 50226 | Pre-K–Grade 12 | 350E

Karen Groves, 7th/8th Grade Science Teacher, Northwest ISD;
Sandy Dougherty, Elementary Teacher, Northwest ISD

AFFILIATE SESSION

TSAAPT Presents: Waves (TEK 8.8A)

ID: 50034 | Grades 6–8 | 350F

Janie Head, Ph.D., Secondary Science Specialist, TSAAPT

EXHIBITOR SESSION

Using Phenomena to Stimulate Student Sensemaking

ID: 50221 | Grades 3–8 | 342AD

Ted Willard, Senior Subject Matter Expert in Science, Discovery Education

TEA Presents: An Overview of the New TEKS and Preview of the TEKS Guide

ID: 20226 | Pre-K–Grade 12 | 310C

Liz Baker, Secondary Science Curriculum Specialist, TEA

AFFILIATE SESSION

TSELA Presents: Planning as a District Coordinator for Implementation of the New Science Standards

ID: 50033 | Pre-K–Grade 12 | 352D

Beth Collins, Secondary Science Coordinator, Frisco ISD

EXHIBITOR SESSION

Vernier Go Direct Sensors + TI Graphing Calculators = A Match Made in STEM!

ID: 50140 | Grades 9–12 | 361CF

Vernier

AFFILIATE SESSION

TESTA Presents: A Collection of Eighth-Grade Lessons and Activities

ID: 50048 | Grades 6–8 | 350C

Julia Dolive, Science Teacher, Fort Bend ISD

Unleashing the Power of Data Science: Integrating Data Science in Middle School and High School Classrooms

ID: 20088 | Grades 6–12 | 342BCEF

Matthew Cushing, Executive Director, Rice University Office of STEM Engagement

What Makes a Habitable World? Exploring the Solar System and Beyond

ID: 20378 | Grades 6–8 | 322B

Mary Urquhart, Ph.D., Associate Professor/Dept. Head, University of Texas at Dallas

ID: 20124 | Pre-K–Grade 12 | 381AB

Laura Deiss, Education Specialist, Region 3 ESC; **Samantha Bradbury**, K–12 Science Consultant, Region 10 ESC; **Johnny Vines**, Science/GT/STEM Consultant, Region 5 ESC

EXHIBITOR SESSION

Using CER to Make Connections With Your Local Fire Department

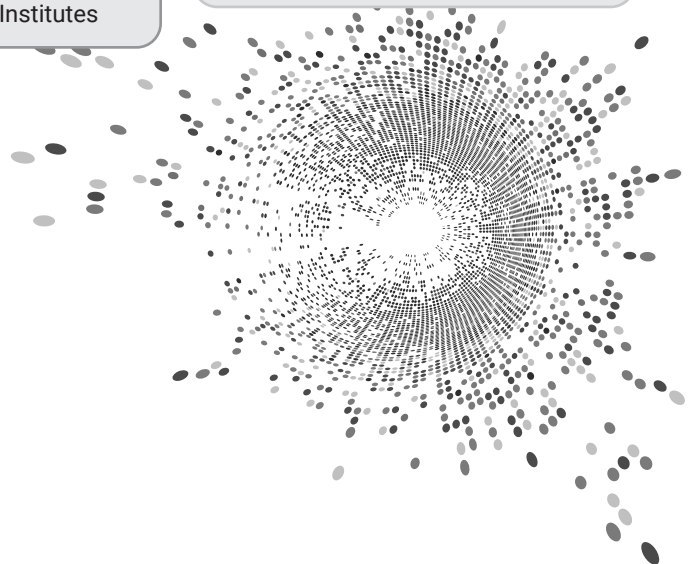
ID: 50132 | Grades 6–12 | 371CF

Becki White, UL Research Institutes; **Megan O’Keeffe**, Senior Content Specialist, UL Research Institutes

What’s Your Storyline? Constructing STEM Literacy Through Children’s Literature

ID: 20311 | Grades 3–5 | 382C

Heather Domjan, Ed.D., Clinical Associate Professor, University of Houston; **Emma Johnson**, Program Coordinator, University of Houston



Friday Extended Sessions

Two-hour courses that provide more in-depth looks at specific topics. Extended Sessions are open to all attendees on a first-come, first-served basis. For complete descriptions of the Extended Sessions, please visit the **STATCAST** mobile app.

EXTENDED SESSIONS | 8:00 a.m.–10:00 a.m.

Building STEM Thinking Using Local Phenomenon and the Science and Technology TEKS

ID: 20384 | Grades K–5 | 352C

Rhoda Goldberg, Ph.D., Director of Science, Spring Branch ISD; **Erika Force**, Elementary Lead Specialist, Spring Branch ISD; **Amy Kirn**, Elementary Lead Science Specialist, Spring Branch ISD

AFFILIATE SESSION

TAEI Presents: Wilderness Wonders—Preservice Teachers Ignite Middle School Minds Through Project WILD

ID: 50224 | Grades 6–8 | 381C

Tonya Jeffery, Ed.D., Assistant Professor of Science Education, Social Justice, & Equity, University of Houston-Downtown; **Sarah Straub, Ed.D.**, Associate Professor, Stephen F. Austin State University; **Cathryn Davis**, University Student, Stephen F. Austin State University; **Jessica Cobb**, University Student, Stephen F. Austin State University

AFFILIATE SESSION

TESTA Presents: Topography in the Classroom

ID: 50038 | Grades 6–8 | 350C

Lale Bilir, TESTA

EXHIBITOR SESSION

Forensic Science: Inexpensive, Energizing Demos, Models, and Activities

ID: 50155 | Grades 9–12 | 371BE

Anthony (Bud) Bertino, Author, Bertino Forensics; **Patricia Nolan Bertino**, Author & Presenter, National Geographic/Cengage Learning

AFFILIATE SESSION

TSELA Presents: Decoding Instructional Materials Adoption

ID: 50029 | Pre-K–Grade 12 | 352D

Ashley Carter, Ph.D., Secondary Science Coordinator, Plano ISD; **Jason Baughman**, Science/Health/PE Coordinator, Allen ISD

AFFILIATE SESSION

TCES Presents: STEM Spectacular

ID: 50022 | Grades K–5 | 342AD

Jamie Flemmer, President, TCES

Understanding Electricity

ID: 20386 | Pre-K–Grade 12 | 382C

Joel Palmer, Ed.D., Teacher, Science Education Services

Put It Back: Addressing Global Emissions With Underground Storage of Carbon Dioxide

ID: 20294 | Grades 9–12 | 380B

Sabrina Ewald, Teacher, University of Texas; **Hilary Olson, Ph.D.**, Associate Professor of Instruction, University of Texas; **Jon Olson, Ph.D.**, Professor and Cockrell Family Chair, University of Texas

Using Driving Question Boards: A Strategy to Support Science and Engineering Practice—Asking Questions

ID: 20211 | Grades 6–12 | 380A

Lindi Kudlacek, Secondary Science Coordinator, Katy ISD; **Tina Hovance**, Secondary Science Coordinator, Katy ISD

EXHIBITOR SESSION

The Science of Thermal Runaway, Why Lithium-Ion Batteries Are Exploding

ID: 50131 | Grades 6–12 | 371CF

Jessica Sparacino, Content Specialist, UL Research Institutes; **Megan O'Keefe**, Senior Content Specialist, UL Research Institutes

TEKS Resource System Presents a Deep Dive: A Progressive View of the New K–5 Science TEKS

ID: 20288 | Grades K–5 | 372AD

Dawn Rubio, State K–8 Science Curriculum Development Lead, ESC Region 13

VR and the Rise of Mind-Blowingly Immersive Science Education

ID: 20168 | Grades 9–12 | 350D

Jimin Cheon, Biology Teacher, Allen ISD; **Cara Johnson, Ed.D.**, Head Curriculum Designer Lighthouse Inc.

EXTENDED SESSION | 8:00 a.m.–10:00 a.m.

Why Does the Darvaza Crater Keep Burning? A Model Lesson Implementing the New TEKS

ID: 20297 | Grades 9–12 | 372CF

Kim Soares, Science Instructional Coach, Katy ISD; **Jamie Rayford**, Instructional Coach, Katy ISD

Empowering Education: Harnessing the Power of AI for 21st-Century Classrooms

ID: 20176 | Grades 9–12 | 381C

Faryal Shaukat, Ed.D., AP Biology/AP Capstone Teacher, Dobie High School; **Selene Verhofstad, Ed.D.**, Teacher/Professor, Rice University

Spark Curiosity, Ignite Minds: Bring Science to Life With Fun and Engaging Lessons on Organisms and the Environment

ID: 20104 | Grades K–3 | 382AB

Almitra Berry, Ed.D., Author/Researcher/Consultant, ALBerry Consulting

EXTENDED SESSIONS | 2:30 p.m.–4:30 p.m.

3-D Learning in Physics: The Phenomenon of Toys

ID: 20134 | Grades 9–12 | 332BE

Howard Jackson, III, AP Physics 1 Teacher, Katy High School

Additives: They Are Not That Complicated

ID: 20145 | Grades 9–12 | 382C

Martha Kennedy, Food Science Teacher, Los Fresnos High School

CRISPR Deep Dive

ID: 20040 | Grades 9–12 | 352C

Karen Davis, Consultant

Distracted: Addressing the Classroom Implications of the Global Attention Crisis

ID: 20058 | Grades 6–12 | 342BCEF

Matt Wells, Science Department Chair/GT Trainer, Cypress Lakes High School

Dive Into Engineering Practices to Learn Science

ID: 20222 | Grades 6–8 | 342AD

Pamela Simmons-Brooks, Program Manager, Texas A&M University, College of Engineering, Spark! PK–12 Engineering Education Outreach

Engaging In-Class Student Projects for Cells to Body Systems

ID: 20070 | Grades 6–12 | 332CF

Jody Hodges, Teacher/Creator, ScienceWear

Hello, Sunshine! Using the Scientific Method to Make Informed Consumer Decisions

ID: 20137 | Grades 6–12 | 350B

Bridget Streeb, Teacher, Lufkin ISD; **Lorelei Cummings**, Classroom Teacher, Lufkin ISD

How Does a Hot Air Balloon Take Off? A Phenomenal Lesson Implementing the New TEKS

ID: 20194 | Grades 6–8 | 380B

Lindi Kudlacek, Secondary Science Coordinator, Katy ISD; **Courtney Lewis**, Science Instructional Coach, Katy ISD; **Karen Pennywell**, Instructional Coach, Katy ISD

How to Conduct a Local Ecological Survey With Your Science Class as a Field Investigation

ID: 20229 | Grades 9–12 | 380A

Mark Antley, Science Teacher, Alief ISD

Implementing the Revised Science TEKS

ID: 20199 | Grades K–5 | 372AD

Elizabeth Bingham, Pre-K–Grade 5 STEM Teacher, Argyle ISD

AFFILIATE SESSION

TESTA Presents: Plate Tectonics Rocking Our World

ID: 50039 | Grades 6–8 | 350C

Lale Bilir, TESTA

AFFILIATE SESSION

TSAAPT Presents: Magnetic and Quantum Levitation in a High School Physics Classroom

ID: 50046 | Grades 9–12 | 350F

Meghan DiBacco, Teacher/Coach, Katy ISD; **Ryan Piwetz**, Teacher, Port Aransas High School

AFFILIATE SESSION

TSELA Presents: New TEKS Implementation and 3-D Learning—Integrating Phenomena, Science and Engineering Practices, and Recurring Themes and Concepts

ID: 50028 | Pre-K–Grade 12 | 352D

Ashley Carter, Ph.D., Secondary Science Coordinator, Plano ISD; **Evan Whitfield**, K–12 Science Director, Coppell ISD

Using Three-Dimensional Learning to Implement the Revised TEKS From Week One Through Summer Break

ID: 20310 | Grades 9–12 | 350D

Mindy Wurtz, Clinical Instructor, Stephen F. Austin State University

Whale, Whale, Whale, What Do We Have Here? Differentiation in Environmental Health AP Style With Flinn Scientific

ID: 20261 | Grades 9–12 | 352B

Jamay Michael, Teacher, Early College High School

Friday Workshops

One-hour presentations by individuals or groups in a classroom setting. Open to all conference attendees on a first-come, first-served basis. For complete descriptions of the Workshops, please visit the **STATCAST** mobile app.

SESSIONS | 8:00 a.m.–9:00 a.m.

AFFILIATE SESSION

ACT2 Presents: The New TEKS and 3-D Learning—A Matter of Perspective (K–5)

ID: 50061 | Grades K–5 | 352E

Nicole Lyssy, Past President, ACT2

Adventures in Food Science

ID: 20142 | Grades 9–12 | 352A

Martha Kennedy, Food Science Teacher, Los Fresnos High School

AI Kickstarter: From Novice to Expert(ish)

ID: 50145 | Pre-K–Grade 12 | 320

Jim Beasley, Director of Technology, Llano ISD; Maurie Beasley, Technology, Llano ISD

Are Significant Figures . . . Significant?

ID: 20346 | Grades 9–12 | 330A

Jessica Rogers, Assistant Professor of Chemistry, Lubbock Christian University

Be a Star on the HR

ID: 20093 | Grades 6–12 | 381AB

Hether Key, Teacher, Klein ISD; Erin Haugstad, Science Instructional Specialist, Klein ISD

EXHIBITOR SESSION

Building a STEAM/STEM Program With LEGO Education

ID: 50214 | Grades 3–8 | 351BE

LEGO Education

BuoyBeads: A Living Material

ID: 20368 | Grades 6–12 | 330B

Remelia Arpino, High School Science Teacher, Rice University Office of STEM Engagement; Eugene Chung, Graduate Student, Rice University; Rebecca Hiatt, Middle School Science Teacher, Houston ISD

Choices! Choices! Choices!

ID: 20075 | Pre-K–Grade 12 | 322A

Bonnie Marlow, Educator/Curriculum Writer/Trainer, Allen STEAM Center

EXHIBITOR SESSION

Elementary Teachers Sparking Curiosity: A Hands-On Immersive Experience

ID: 50157 | Grades K–5 | 361AD

Evan Sanchez, Curriculum Specialist for Teaching and Learning, Discovery Education; Melissa Hampton, Director of Teaching and Learning, Discovery Education

Engineering in a Box

ID: 20189 | Grades K–5 | 350E

Shakayla Marshall, Regional Program Manager, Girlstart

EXHIBITOR SESSION

Enhancing Molecular Models With Augmented Reality

ID: 50103 | Grades 9–12 | 361BE

Ruth Hutson, Science Educator, 3D Molecular Designs; Tim Herman, Ph.D., Science Officer, 3D Molecular Designs; Mark Arnholt, Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

Feeling Moody?

ID: 50099 | Grades 6–12 | 340B

Erick Archer, Marketing Manager, Texas Instruments

EXHIBITOR SESSION

From Circuits to Molecules: Biotech Basics for Middle School and General Bio

ID: 50068 | Grades 6–12 | 351AD

Sebastian Kraves, miniPCR

Hands on, Minds on (Mini Make and Take): Creating Engaging Activities, Puzzles, and Games for Elementary

ID: 20011 | Grades 3–8 | 332BE

Rodelio Abuan, Teacher, Aldine ISD

Hands-on STEM Activities to Promote Critical Thinking

ID: 20286 | Grades 6–8 | 382AB

Nicole Freyschlag, Education Manager, Estes Industries

EXHIBITOR SESSION

Hitting the Slopes: Explorations in Kinematics, Force, and Mass

ID: 50141 | Grades 9–12 | 361CF

Vernier

Incorporating Scientific and Engineering Practices (SEPs): The Do's and Don'ts!

ID: 20255 | Pre-K–Grade 12 | 342BCEF

Mayra Bernal, Science Specialist, Region One ESC; **Danielle Zamora**, Science Specialist, Region One ESC

Integrating Computational Thinking into the Pre-K–Grade 5 Science Classroom

ID: 20207 | Grades K–5 | 352B

Denise Gregory, Master Teacher/Clinical Assistant Professor, University of Texas at Dallas; **Amin Lalani**, Master Teacher/Clinical Assistant Professor, University of Texas at Dallas

EXHIBITOR SESSION

Interactive Word Walls: Is It Worth It? Can I Do It?

ID: 50180 | Pre-K–Grade 12 | 360CF

Julie Jackson, Ph.D., Professor, Texas State University

AFFILIATE SESSION

ISEA Presents: Incorporating Agriculture Into Our Science Curriculum

ID: 50012 | Grades 3–8 | 350B

Mark Broughton, Director, Dallas ISD STEM Environmental Education Center

EXHIBITOR SESSION

Keep Calm and Chemistry On: Successful Lab Activities for New Chemistry Teachers

ID: 50209 | Grades 6–12 | 360BE

DeeDee Whitaker, Carolina Biological Supply

EXHIBITOR SESSION

Let's Engage Students Through Inquiry and Phenomena-Based Instruction

ID: 50092 | Pre-K–Grade 12 | 360AD

Jessica Morse, Regional STEM Coach, STEMscopes by Accelerate Learning; **Cyndi Loter**, Regional STEM Coach, STEMscopes by Accelerate Learning

Linking Science and Art With the Periodic Tile Project

ID: 20275 | Grades 6–12 | 310C

Franklin Allaire, Associate Professor of Science Education, University of Houston-Downtown

Navigating the New Middle School Science TEKS

ID: 20036 | Grades 6–8 | 322B

Carlana English, Ph.D., Science Department Chair/Teacher, Rice University Office of STEM Engagement

EXHIBITOR SESSION

Recurring Themes and Concepts in the New TEKS

ID: 50130 | Pre-K–Grade 12 | 371AD

Peter McLaren, Houghton Mifflin Harcourt

EXHIBITOR SESSION

Seamlessly Integrating Kate the Chemist Video Series in Your Classroom

ID: 50203 | Pre-K–Grade 12 | 370AD

Kate Biberdorf, Ph.D., Professor, University of Texas

EXHIBITOR SESSION

Speed and Velocity: Lessons with Motion Graphs

ID: 50107 | Grades 6–12 | 340A

Jonathan Hanna, Project Manager, PASCO Scientific

EXHIBITOR SESSION

"Take the Challenge" Integrated Physics and Chemistry for Texas

ID: 50100 | Grades 9–12 | 350A

Tracy Marmolejo, Professional Learning Manager, Activate Learning

AFFILIATE SESSION

TSAAPT Presents: STEPP Into Problem Solving, Kinematics, and More!

ID: 50003 | Grades 6–12 | 350F

Mary Urquhart, Ph.D., Associate Professor and Dept. Head, University of Texas at Dallas

EXHIBITOR SESSION

Using BioInteractive Resources to Explain How Natural Selection Drives Changes in Skin Color

ID: 50058 | Grades 9–12 | 352F

Alexis Black, Ambassador, HHMI BioInteractive; **Deanna Digitale-Grider**, Ambassador, HHMI BioInteractive

What Are Phenomena, and How Do They Work With the New TEKS in Science?

ID: 20208 | Pre-K–Grade 12 | 332CF

Sharon Cates, Senior Instructor, Phenomenon Science Education; **Josh Smith**, Senior Instructor, Phenomenon Science Education

You Are What You Eat! Taking Macromolecules to Micro!

ID: 50123 | Grades 9–12 | 370BE

Mallorie Parks, Instructional Coach, Crandall ISD

SESSIONS | 9:30 a.m.–10:30 a.m.

AFFILIATE SESSION

ACT2 Presents: Everything Moles!

ID: 50020 | Grades 9–12 | 352E

Jamie Flint, Chemistry Teacher,
Spring Woods High School

Engaging Activities to Increase Retention in Science 1.0

ID: 20065 | Grades 6–12 | 381AB

Courtney Lewis, Science
Instructional Coach, Katy ISD; **Molly
Niedens**, Science Instructional
Coach, Katy Independent School
District

Hands-on-Minds-on (Mini Make and Take): Creating Engaging Activities, Puzzles, and Games for High Schools

ID: 20033 | Grades 9–12 | 332BE

Rodelio Abuan, Teacher, Aldine ISD

EXHIBITOR SESSION

Bright Ideas: Investigating Light Bulbs and Simple Circuits Through Guided Inquiry

ID: 50142 | Grades 9–12 | 361CF

Vernier

Explicitly Teaching Claim, Evidence, and Reasoning

ID: 20278 | Grades 6–8 | 322B

Jane Lee-Rhodes, Science
Department Chairperson, Corpus
Christi ISD; **Cynthia Hopkins, Ph.D.**,
Middle School Science Teacher,
Corpus Christi ISD

EXHIBITOR SESSION

Hands-on Photosynthesis Experiments

ID: 50117 | Grades 6–12 | 340A

Roger Palmer, Project Manager,
PASCO Scientific

EXHIBITOR SESSION

Bring Out Every Student's Inner Scientist

ID: 50169 | Pre-K–Grade 12 | 371AD

Houghton Mifflin Harcourt

EXHIBITOR SESSION

Exploring Phenomenon- Based Instruction Through the Modeling Process

ID: 50213 | Grades K–5 | 330B

Caren Limbrick, Implementation
Support Specialist, Great Minds

How to Teach Science Through Investigations

ID: 20105 | Pre-K–Grade 12 | 382AB

Christopher Garside, Owner, Seven
Sides Publishing

EXHIBITOR SESSION

The Case of The Murdered Mayor: Solve a Forensic Case Using Multiple Lines of Evidence

ID: 50211 | Grades 6–12 | 360BE

DeeDee Whitaker, Carolina
Biological Supply

AFFILIATE SESSION

ISEA Presents: Draw to Learn

ID: 50080 | Grades 9–12 | 350B

Carrie Bucklin, Ph.D., Assistant
Professor, Texas State University;
Kristy Daniel, Ph.D., Full Professor,
Texas State University

A Deep Dive Into New High School Science TEKS

ID: 20210 | Grades 9–12 | 332CF

Vicente Colunga, Science Specialist,
ESC Region 13/TEKS Resource
System

From Content to Context: How Background Knowledge Shapes the Science of Reading in Neurodiverse Learners

ID: 20246 | Grades 3–5 | 310C

Praba Soundararajan, Ph.D., Social
Innovator, Boon-dah Learning

It's Not New: Translating Your Standards for Standards- Based Learning

ID: 20013 | Pre-K–Grade 12 | 352F

Dabnee Mosher, Chemistry Teacher,
Monterey High School

EXHIBITOR SESSION

Hands-on Force, Motion, and Energy With LEGO Education

ID: 50215 | Grades 3–8 | 351BE

LEGO Education

eCYBERMISSION: A Catalyst for Engaging Sixth–Ninth Graders in STEM Exploration

ID: 20096 | Grades 6–8 | 352A

Brian Kutsch, STEM Network
Manager, eCYBERMISSION, NSTA

Kids Making Sense of Air Monitoring

ID: 20154 | Pre-K–Grade 12 | 352B

Maria Barraza, Chemistry/Astronomy
Teacher, Environmental Community
Advocates of Galena Park

FRIDAY WORKSHOPS

EXHIBITOR SESSION

Meet the Lord of the Probes!

ID: 50096 | Grades 6–12 | 340B

Erick Archer, Marketing Manager,
Texas Instruments

EXHIBITOR SESSION

Transforming Science With STEMscopes in 2024

ID: 50110 | Grades 3–8 | 360AD

STEMscopes by Accelerate Learning

Welcome: Kinder Coders 101

ID: 20149 | Pre-K–Grade 2 | 350E

Linda Jennings, Charles Rice
Learning Center

EXHIBITOR SESSION

Mendel's Peas: A Hands-on Lab Connecting Mendelian Inheritance and Molecular Genetics

ID: 50069 | Grades 9–12 | 351AD

Sebastian Kraves, miniPCR

AFFILIATE SESSION

TSAAPT Presents: Light and the Quantum World

ID: 50004 | Grades 9–12 | 350F

Mary Urquhart, Ph.D., Associate
Professor and Dept. Head, University
of Texas at Dallas; **Stephanie Taylor,
Ph.D.**, Associate Professor of
Instruction, University of Texas at
Dallas

Welcome to the Physics Rodeo!

ID: 20262 | Grades 6–8 | 330A

Emma Arett, 7th Grade Science
Teacher, Solar Preparatory School
for Girls

EXHIBITOR SESSION

Ready to LEGO and Think Critically With Mystery Science?

ID: 50167 | Grades K–5 | 361AD

Paula Taylor, Senior Manager,
Partner Success, Discovery
Education

EXHIBITOR SESSION

Unleashing the Wonders of Science with Science Bob!

ID: 50207 | Grades 6–12 | 360CF

Bob Pflugfelder, Author, Educator,
Maker, Science Bob

Who's Baby Luna's Father? Using DNA Fingerprinting to Solve a Mystery

ID: 50124 | Grades 9–12 | 370BE

Brandi Elsayed, Science Teacher,
Johnson High School

Revolutionizing Learning: Unleashing AI's Potential in K–12 Education

ID: 20087 | Pre-K–Grade 12 |
342BCEF

Matthew Cushing, Executive Director,
Rice University Office of STEM
Engagement

EXHIBITOR SESSION

Water, Water, Everywhere, But How Did It Get in There? Modeling the Movement of Water and Ions Across Cell Membranes

ID: 50201 | Grades 9–12 | 361BE

Mark Arnholt, Science Educator, 3D
Molecular Designs

Wise Word Walls

ID: 20001 | Grades 9–12 | 322A

Alexis Rubio, Science Teacher,
JEHS/ECISD

For complete session
descriptions and
speaker bios, visit the
STATCAST Mobile App!

SESSIONS | 11:00 a.m.–12:00 p.m.

Abracadabra: A Camp Out of Nothing

ID: 20139 | Pre-K–Grade 12 | 350C

Bridget Streeb, Teacher, Lufkin
ISD; **Lorelei Cummings**, Classroom
Teacher, Lufkin ISD

EXHIBITOR SESSION

Accelerate Student Learning With LEGO Education

ID: 50216 | Pre-K–Grade 12 | 351BE

LEGO Education

EXHIBITOR SESSION

Achieve More With Digital Courseware for the AP Science Program

ID: 50165 | Grades 9–12 | 352B

Travis Long, Senior Sales
Representative, BFW Publishers

AFFILIATE SESSION

ACT2 Presents: Chemistry 101—How to Make Chemistry Easy for Your Students

ID: 50077 | Grades 6–12 | 352E

Carrie Alexander, Classroom Teacher, Waxahachie High School

Creating Opportunities for Emergent Bilingual Students to Read, Write, and Speak in the Science Classroom

ID: 20055 | Grades 6–12 | 381C

Lindsey Curiel, Education Specialist, Secondary Science, Region 4 ESC

Exploring Three-Dimensional Teaching Strategies in Chemistry and Physics

ID: 20018 | Grades 6–12 | 340B

Marlo Diosomito, AP Chemistry/ Chemistry Teacher, Kinder HSPVA; **Marina Rodriguez**, Physics Teacher, Rice University Office of STEM Engagement

Authentic Literacy and Language (ALL) for Science: Reading, Writing, Thinking, and Listening Like a Scientist!?

ID: 20042 | Grades K–5 | 380A

Jimmie Thomas, STEM Instructional Designer, Baylor College of Medicine; **Lollie Garay**, Instructor, Baylor College of Medicine

EXHIBITOR SESSION

Discovering Lemur Diversity: Teaching Conservation Genetics Through an Authentic Case Study

ID: 50073 | Grades 9–12 | 351AD

Sebastian Kraves, miniPCR

Feedback Practices for Supporting Classroom Problem Solving

ID: 20188 | Pre-K–Grade 12 | 322B

Monica Amyett, Ph.D., Science/ STEM Instructional Content Coach, ESC Region 11

EXHIBITOR SESSION

Awesome Activities for the Revised TEKS

ID: 50011 | Pre-K–Grade 12 | 371AD

Michael DiSpezio, Houghton Mifflin Harcourt

Don't Let the SEPs Give You the Creeps!

ID: 20095 | Grades 6–12 | 332BE

Elizabeth Morris, Science Instructional Coach, Katy ISD; **Kim Soares**, Science Instructional Coach, Katy ISD

Flex Grouping for the New TEKS and Students Who Are Exceptional

ID: 20022 | Grades 3–8 | 381AB

Meredith Vera, 8th Grade Science Teacher, Burleson ISD; **Robin Rickard**, 8th Grade Science Teacher, Hughes Middle School

Building Engineering Skills Through a Middle School Maker Challenge

ID: 20218 | Grades 6–12 | 382C

Peggy Cagle, Science Department Chair/Science Teacher, The Hockaday School; **Lisa Dwinal**, 6th Grade Science Teacher, The Hockaday School

EXHIBITOR SESSION

Exploring Coherent Knowledge Building Through the Recurring Themes and Concepts (RTCs)

ID: 50214 | Grades K–5 | 330B

Caren Limbrick, Implementation Support Specialist, Great Minds

Fostering a STEM Mindset

ID: 20108 | Grades K–5 | 352A

Desuræ Matthews, Education Program Lead, Learning Undeclared; **Katie Askelson**, Education Program Coordinator, Learning Undeclared

EXHIBITOR SESSION

Circuits Made Easy: Untangle Your Circuit Labs!

ID: 50108 | Grades 6–12 | 340A

Jonathan Hanna, Project Manager, PASCO Scientific

Exploring Science Concepts Using Social Studies in a Cross-Curriculum Research Study

ID: 20131 | Grades 6–12 | 382AB

Marsha Bolden, Ed.D., Science Teacher, Irving ISD

EXHIBITOR SESSION

From Research to Classrooms. How ULRI is Engaging the Future of Safety Science With (Free) Xplorlabs.org

ID: 50102 | Grades 6–12 | 371CF

Megan O'Keeffe, Senior Content Specialist, UL Research Institutes; **Daniel Sternberg**, UL Research Institutes

Get Hands-on With Biology

ID: 20083 | Grades 6–12 | 330A

Alicia Gierisch, Teacher, Georgetown High School

High-Quality Instructional Materials That Will Support the Shift to the New TEKS in Grades 3–5

ID: 20148 | Grades 3–5 | 310C

Victor Sampson, Ph.D., Associate Professor of STEM Education, University of Texas at Austin

Houston, We Have a Problem!

ID: 20136 | Grades 9–12 | 350B

Michelle Gomez, Science Teacher, Pebble Hills HS; **Marla Lerma**, Science Teacher, Pebble Hills HS

EXHIBITOR SESSION

Innovations for High School Rigor and Equity: Interdisciplinary Science Pathways From TEKS to Graduation (Roundtable)

ID: 50208 | Grades 9–12 | 380C

Catherine Saldutti, President & Founder, EduChange; **Nikki Barratt**, Integrated Science Coach, EduChange; **Eric Chism**, Academic Leadership Coach, EduChange; **Ken Simon**, Academic Leadership Coach, EduChange

EXHIBITOR SESSION

Inspire Meaningful Engagement With Hands-on Learning in the Middle School Classroom

ID: 50143 | Grades 6–8 | 361CF

Vernier

EXHIBITOR SESSION

Introducing Mighty Models: From Water Channels to Action Potentials

ID: 50086 | Grades 9–12 | 361BE

Tim Herman, Ph.D., Science Officer, 3D Molecular Designs

Investigating Climates Impact on the Environment

ID: 20279 | Grades 3–8 | 350A

Marquita Muhammad, Middle School Science Teacher, Wipro Science Education Fellowship at UNT Dallas; **Rhenett Ingram**, 3rd Grade Math/Science Teacher/ St. Phillip's School

It's All About Convection

ID: 20019 | Grades 6–8 | 372BE

Becky Walker, STEM/GT Teacher, Lufkin Middle School; **Amy Rush**, STEM/GT/7th Grade Science Teacher, Lufkin Middle School

Junkyard Physics and Engineering

ID: 20009 | Grades 9–12 | 342BCEF

Deborah Armstrong, Physics/Engineering/Robotics Teacher, Mineola High School; **Norvella Anderson**, IPC Teacher, Mineola High School

Make Learning Stay With Sciyoance and Flinn!

ID: 20316 | Grades 6–12 | 320

Arlevia Davis, Science Instructional Specialist/Teacher, Mansfield Legacy High School

EXHIBITOR SESSION

Middle School Teachers Sparking Curiosity: A Hands-on Immersive Experience

ID: 50158 | Grades 6–8 | 361AD

Evan Sanchez, Curriculum Specialist for Teaching and Learning, Discovery Education; **Melissa Hampton**, Director of Teaching and Learning, Discovery Education

Models With MacGyver: Making Models Using Everyday Materials

ID: 20023 | Grades 6–8 | 350D

Naomi Broussard, 7th Grade Science Teacher, Klein ISD

EXHIBITOR SESSION

Monitoring Antibiotic Resistant Organisms in the Environment

ID: 50070 | Grades 9–12 | 351AD

Sebastian Kraves, miniPCR

EXHIBITOR SESSION

Our New Future With SEPs and RTCs, Oh My!

ID: 50090 | Pre-K–Grade 12 | 360AD

Lisa Dentler, Regional STEM Coach, STEMscopes by Accelerate Learning; **Cyndi Loter**, Regional STEM Coach, STEMscopes by Accelerate Learning

Out of the Box: Teaching Science With Current Events

ID: 20167 | Grades 6–12 | 380B

Todd Pope, Science Curriculum Coordinator, Judson ISD

FRIDAY WORKSHOPS

EXHIBITOR SESSION

Phenomenal Science Instruction: Making Sense of Sensemaking in Middle School

ID: 50193 | Grades 6–8 | 370AD

Michael Claypool, Content Author, Summit K12; **Elizabeth Gonzalez**, Content Author, Summit K12; **Caroline Reeves**, Content Author, Summit K12

Poofy Sorting System and the Engineering Design Process

ID: 20006 | Grades K–5 | 352F

Michelle Brown, Retired Instructional Science Coach, Clear Creek ISD; **Anne Mangas Smith**, Retired Science Coordinator, Expand Learning Consultants

EXHIBITOR SESSION

Promoting Productive Discussions With OpenSciEd

ID: 50215 | Grades 6–8 | 352C

Tracy Marmolejo, Professional Learning Manager, Activate Learning

EXHIBITOR SESSION

Recipe for Disaster: Searching for the Source of a Foodborne Outbreak

ID: 50125 | Grades 9–12 | 370BE

Mallorie Parks, Instructional Coach, Crandall ISD

Spark! Student Research From Idea to Competition

ID: 20326 | Grades 9–12 | 322A

Alaina Garza, Science Teacher, Texas A&M Engineering; **Taylor Young**, TXSEF Director, Texas A&M Engineering

Storytime Sensemaking: Fusing Inquiry With Literacy

ID: 20305 | Pre-K–Grade 2 | 372AD

Dr. Diane Schnoor, Speaker/Presenter/Podcast Host, Dr. Diane's Adventures in Learning; **Amari Shields**, 8th Grade Science Teacher/Presenter, Mentored Motivation

AFFILIATE SESSION

TABT Presents: Biology Presentation Speed Dating

ID: 50082 | Grades 6–8 | 342AD

Chris Carrell, Teacher/Science Department Head, Llano High School

AFFILIATE SESSION

TAAE Presents: Project WILD— Is It Really Experimental?

ID: 50053 | Grades 6–8 | 332CF

Lucinda Sohn, Professor of Instruction, University of Texas at San Antonio; **Patricia Delgado**, Teacher, Northside ISD

AFFILIATE SESSION

TSAAPT Presents: How Can a Laser Cool an Atom?

ID: 50018 | Grades 9–12 | 350F

Karen Jo Matsler, Ed.D., UTA UTeach, TSAAPT

AFFILIATE SESSION

TSELA Presents: Grit and Grace— A Growth Mindset for All Learners

ID: 50027 | Pre-K–Grade 12 | 352D

Sephali Thakkar, Coach, Teach For America

EXHIBITOR SESSION

Unleashing the Wonders of Science with Science Bob!

ID: 50207 | Grades 6–12 | 360CF

Bob Pflugfelder, Author, Educator, Maker, Science Bob

EXHIBITOR SESSION

Unlocking the Wonders Within: A Journey Through Anatomy and Physiology in an Immersive Escape Room Experience

ID: 50186 | Grades 9–12 | 371BE

Tara Pullman Bell, Postsecondary Workforce Administrator, Cherry Creek School District

EXHIBITOR SESSION

Using Three-Dimensional Interactive Investigations to Drive Deeper Learning

ID: 50115 | Grades 6–8 | 360BE

Carolina Biological Supply

EXHIBITOR SESSION

Using Maggots, Flies, and Flesh to Solve a Mystery!

ID: 50098 | Grades 9–12 | 340B

Erick Archer, Marketing Manager, Texas Instruments

EXHIBITOR SESSION

Utilizing Recurring Themes and Concepts to Foster Meaningful Thinking

ID: 50171 | Pre-K–Grade 12 | 350E

Marianne Dobrovlny, Co-Owner, Think Big Learning; **Tobi McMillan**, Co-Owner, Think Big Learning

"When Am I Going to Use This?" Resources That You Can Use to Make Topics Students See as Irrelevant More Meaningful

ID: 20205 | Grades 3–5 | 372CF

Todd Hutner, Teacher Educator/Curriculum Developer, University of Texas

SESSIONS | 12:30 p.m.–1:30 p.m.

AFFILIATE SESSION

ACT2 Presents: Gas Laws— Evidence for Particle Movement and Gas Relationships

ID: 50016 | Grades 9–12 | 352E

Amiee Modic, Chemistry Teacher,
Duchesne Academy of the Sacred Heart

EXHIBITOR SESSION

Bring Out Every Student's Inner Scientist

ID: 50169 | Pre-K–Grade 12 | 371AD

Houghton Mifflin Harcourt

Every Student Should Be A STEM Thinker!

ID: 20090 | Pre-K–Grade 12 | 350D

Dodie Resendez, Education
Specialist, Region 4 ESC

Advocacy Matters: Using the Power of Your Teacher Voice

ID: 20166 | Pre-K–Grade 12 | 381C

JoLisa Hoover, Teacher Specialist,
Raise Your Hand Texas; **Gretchen
Anderson**, Math Instructional Coach,
Pasadena ISD

EXHIBITOR SESSION

Capturing Motion: Hands-on Physics Learning With Vernier Photogates

ID: 50144 | Grades 6–12 | 361CF

Vernier

Excellent Energy Engineering

ID: 20028 | Grades 6–12 | 372AD

Nina Corley, Science Department
Chair/Grant Writer, NEED Project

Aim for the STAAR

ID: 20361 | Grades 6–8 | 380B

Marisha Lawson, Secondary Science
Teacher, Odyssey Academy

EXHIBITOR SESSION

Got Milk? DNA, Enzymes, and Lactose Intolerance

ID: 50212 | Grades 9–12 | 360BE

DeeDee Whitaker, Carolina
Biological Supply

Amplifying Student Voice: Empowering Elementary Science Learners Through Microsoft Flip

ID: 20247 | Grades K–5 | 310C

Kimberly Glover, 5th Grade Science
Teacher, Sheldon Elementary School

Change Your Traditional Science Fair Night Into a Student-Led, Interactive Hands-on Science Day!

ID: 20293 | Grades K–5 | 352F

Rebecca Ramey, 2nd Grade Teacher,
Rummel Creek Elementary

Integrating Scientific Argumentation and Democratic Deliberation to Scaffold Student Investigations of Environmental Challenges

ID: 20354 | Grades 3–8 | 352A

Michelle Forsythe, Associate
Professor of STEM Education, Texas
State University

A Deep Dive Into New Science RTC and SEP TEKS

ID: 20212 | Pre-K–Grade 12 | 332CF

Vicente Colunga, Science Specialist,
ESC Region 13/TEKS Resource
System

EXHIBITOR SESSION

Biology Lab It Up

ID: 50148 | Grades 9–12 | 371BE

Brock O'Shell, Customer Success
Consultant, National Geographic
Learning/Cengage

Designing Phenomenal Lessons for the New TEKS

ID: 20107 | Grades 9–12 | 330B

Alexandra Hofferek, Science
Instructional Coach, Katy ISD

EXHIBITOR SESSION

It's Time to Talk About It: Addressing the Opioid Epidemic With High School Students

ID: 50203 | Grades 9–12 | 361BE

Mark Arnholt, Science Educator, 3D
Molecular Designs; **Ruth Hutson**,
Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

Bridging Content and Language: Supporting Emergent Bilinguals in Science

ID: 50182 | Pre-K–Grade 12 | 360CF

Cindy Guerrero, Research Scientist,
Texas A&M University

EXHIBITOR SESSION

Early Learning With LEGO Education

ID: 50217 | Pre-K–Grade 2 | 351BE

LEGO Education

For complete session
descriptions and
speaker bios, visit the
STATCAST Mobile App!

EXHIBITOR SESSION

The Journey Starts Now! Phenomena-Based Inquiry and Sensemaking for Grades 2–3

ID: 50195 | Grades K–3 | 370AD

Bonnie Austin, Content Author, Summit K12; **Katherine McCaffrey**, Content Author, Summit K12; **Terry White**, Content Author, Summit K12

Phenomenon-Driven Model Lesson: Using Ice-Cold Lemonade to Explain Energy Transfer

ID: 20132 | Grades 6–12 | 352B

Stephanie Staicer, Instructional Designer, Katy ISD; **Thuna Uddin**, Instructional Coach, Katy ISD; **Asrar Maye**, Instructional Coach, Katy ISD

Stations in Secondary Classroom/Aggressive Monitoring

ID: 20140 | Grades 6–12 | 332BE

Misty Sexton, Middle School Science Teacher, Junction ISD; **Kaycie Sullivan**, High School Science Teacher, Junction ISD

Just Dropped! Exploring Forces and Fluids With an Engineering Design Project

ID: 20245 | Grades 9–12 | 382C

Abe Selfridge, Undergraduate, Texas A&M University; **Rachelle Pedersen**, Ph.D. Candidate Texas A&M University; **Justin Wilkerson**, Mechanical Engineering Professor, Texas A&M University

EXHIBITOR SESSION

Secondary Science Techbook for Texas: Discover How Easy It Is to LOVE Science!

ID: 50160 | Grades 6–12 | 361AD

Melissa Hampton, Director of Teaching and Learning, Discovery Education; **Evan Sanchez**, Curriculum Specialist for Teaching and Learning, Discovery Education

EXHIBITOR SESSION

Stoichiometry: Tools and Tips for Improving Student Understanding

ID: 50116 | Grades 6–12 | 340A

Roger Palmer, Project Manager, PASCO Scientific

AFFILIATE SESSION

TABT Presents: A Mechanism for Helping Students Think Scientifically Through Student-Designed Investigations

ID: 50056 | Grades 9–12 | 350C

Beatriz Perez-Sweeney, Ph.D., STEM Instructional Specialist/ Assistant Professor, Baylor College of Medicine/Houston ISD

Making “Cents” of Science: Labs for and With Literal Pennies!

ID: 20046 | Grades 9–12 | 350B

Chris Coker, Science Teacher/ Department Chair Camden Fairview High School

EXHIBITOR SESSION

Sickle Cell Genetics: Using Gel Electrophoresis to Investigate Inheritance

ID: 50071 | Grades 9–12 | 351AD

Sebastian Kraves, miniPCR

AFFILIATE SESSION

TAAE Presents: Project WILD—It’s Phenomenal!

ID: 50052 | Grades K–5 | 342AD

Amy Hollenshead, Outdoor Learning Center Coordinator, NISD; **Jaden Kelly**, Education Coordinator, Texas A&M Forest Service

Native Prairies: From Rodeos to Rising Temperatures

ID: 20348 | Grades 3–8 | 380A

Kandice Melchor, Teacher, Rice University Office of STEM Engagement; **Della Barbato**, Director of Education, Native Prairies Association of Texas

Speaking Science: Strategies to Increase Purposeful Student Talk

ID: 20068 | Grades 6–12 | 372BE

Courtney Lewis, Science Instructional Coach, Katy ISD; **Molly Niedens**, Science Instructional Coach, Katy ISD

EXHIBITOR SESSION

No Wrong Turns: Onramps Into STEM Careers

ID: 50133 | Grades 6–12 | 371CF

Daniel Sternberg, UL Research Institutes; **Stephanie Desisto**, Lead Project Coordinator, UL Research Institutes; **Katey Shirey**, UL Research Institutes

Standards Matter: Low-Stakes Activities for High Rewards

ID: 20153 | Grades 3–5 | 350E

Amanda Die, Texas Regional Curriculum Coordinator, Studies Weekly; **Ashley Lofton**, 5th Grade Science Teacher, Port Neches Elementary

EXHIBITOR SESSION

Taking the Next Steps With Science Vocabulary

ID: 50094 | Pre-K–Grade 12 | 360AD

Christine Jackson, Regional STEM Coach, STEMscopes by Accelerate Learning; **Veronica Burnett**, Regional STEM Coach, STEMscopes by Accelerate Learning; **Lisa Dentler**, Regional STEM Coach, STEMscopes by Accelerate Learning

FRIDAY WORKSHOPS

TEA Presents: STAAR—New TEKS and Aligning Assessments With Instructional Practices

ID: 20241 | Pre-K–Grade 12 | 381AB

Jo Ann Bilderback, Math/Science/Social Studies Director, TEA; **Brian Byrwa**, Science Assessment Specialist, TEA

TEKS Resource System Presents: The Problem With Energy

ID: 20357 | Pre-K–Grade 12 | 342BCEF

Andrew Wiebusch, Science Coordinator, TEKS Resource System

Texas Envirothon: Take the Environmental Challenge!

ID: 20300 | Grades 9–12 | 322A

Wendy Reistle, Wildlife Biology Environmental Education Coordinator, University of Houston-Clear Lake; **Rowena McDermid**, Environmental Education Specialist, University of Houston-Clear Lake

Three-Dimensional Instruction and the New TEKS

ID: 20143 | Grades 6–12 | 382AB

Victor Sampson, Ph.D., Associate Professor of STEM Education, University of Texas at Austin

A Total Texas Eclipse: Observation and Science

ID: 20347 | Pre-K–Grade 12 | 330A

Judy Meyer, Ph.D., Senior Outreach/Education Program Coordinator, McDonald Observatory; **Keely Finkelstein, Ph.D.**, Associate Professor of Instruction, McDonald Observatory

EXHIBITOR SESSION

Transitioning to a Phenomenon-Based Learning Space With OpenSciEd

ID: 50013 | Grades 9–12 | 352C

Tracy Marmolejo, Professional Learning Manager, Activate Learning

AFFILIATE SESSION

TSAAPT Presents: Lessons in the Sky—Engage With the TEKS and the Great Texas Solar Eclipse!

ID: 50079 | Pre-K–Grade 12 | 350F

Mary Urquhart, Ph.D., Associate Professor and Dept. Head, University of Texas at Dallas

AFFILIATE SESSION

TSELA Presents: Preparing a Strategic Plan for the New TEKS Implementation With Science Leaders

ID: 50045 | Grades 9–12 | 352D

Tina Hovance, Secondary Science Coordinator, Katy ISD; **Lindi Kudlacek**, Secondary Science Coordinator, Katy ISD

Uncovering and Responding to Students' Ideas in Three Dimensions

ID: 50084 | Pre-K–Grade 12 | 320

Page Keeley, Author/Consultant, Uncovering Student Ideas

Using the Arts to Teach Patterns and Cycles Associated With the Earth, Sun, and Moon

ID: 20082 | Grades 3–5 | 372CF

Jody Hodges, Teacher/Creator, ScienceWear

Using Visuals to Teach Biology Phenomena!

ID: 20392 | Grades 9–12 | 322B

Rama Chintapalli, Secondary Science Strategist, Donna ISD

EXHIBITOR SESSION

You've Got to Move It, Move It . . . to Match the Graph!

ID: 50095 | Grades 6–12 | 340B

Erick Archer, Marketing Manager, Texas Instruments

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

SESSIONS | 2:00 p.m.–3:00 p.m.

AFFILIATE SESSION

ACT2 Presents: Technical Writing for Teachers

ID: 50010 | Pre-K–Grade 12 | 352E

Marissa Otteson, Lecturer, Dallas College-Richland Campus, SMU Associated Chemistry Teachers of Texas

EXHIBITOR SESSION

Building Access for ELLs With LEGO Education

ID: 50218 | Pre-K–Grade 12 | 351BE

LEGO Education

Blood Spatter as Projectile Motion

ID: 20159 | Grades 9–12 | 352A

Tessah Zepeda, Forensic Science Teacher, Los Fresnos High School; **Misty Heredia**, Physics Teacher, Los Fresnos High School

Blow the Roof Off!

ID: 20016 | Grades 6–8 | 330A

Karen Ostlund, Ph.D., Professor,
University of Texas at Austin

Bridging Skills and Content: Connect the Practices and Recurring Themes and Concepts With Discourse

ID: 20377 | Grades 3–5 | 372BE

Elizabeth McMillan, Ph.D. Candidate,
UTSA; **Nadia Bruner**, Co-Founder,
RPA TREKS

Build a Bigger Bubble: Using Engineering Practices to Optimize Bubble Solutions

ID: 20119 | Grades 3–5 | 350E

Gail Dickinson, Ph.D., Associate
Professor, Texas State University

EXHIBITOR SESSION

Elementary Science Techbook for Texas: Discover How Easy It Is to LOVE Science!

ID: 50162 | Grades K–5 | 361AD

Melissa Hampton, Director of
Teaching and Learning, Discovery
Education; **Evan Sanchez**,
Curriculum Specialist for Teaching
and Learning, Discovery Education

EXHIBITOR SESSION

Engineer Physical Science Excitement With a Carolina STEM Challenge

ID: 50210 | Grades 6–12 | 360BE

DeeDee Whitaker, Carolina
Biological Supply

EXHIBITOR SESSION

Explore BIOZONE's High School Science Programs for Texas 2024

ID: 50129 | Grades 9–12 | 350A

Richard Allan, CEO, BIOZONE
Corporation

EXHIBITOR SESSION

Exploring Phenomenon- Based Instruction Through the Modeling Process

ID: 50213 | Grades K–5 | 330B

Caren Limbrick, Implementation
Support Specialist, Great Minds

EXHIBITOR SESSION

A Geologic Mystery Tour: A Sci-Comm Mini-Bootcamp With NatGeo Explorer Andrés Ruzo

ID: 50181 | Grades 9–12 | 371BE

Andres Ruzo, Founder & Director

EXHIBITOR SESSION

Generating Energy in a K–5 STEAM Station

ID: 50178 | Grades K–5 | 360CF

Dinah Zike, President, Dinah.com

EXHIBITOR SESSION

Leveraging Models to Cultivate Science and Engineering Practices (SEPs): High School

ID: 50174 | Grades 9–12 | 372AD

Marianne Dobrovolsky, Co-Owner,
Think Big Learning; **Tobi McMillan**,
Co-Owner, Think Big Learning

EXHIBITOR SESSION

PHENOMENA*L* Learning: Unleashing the Power of the TEKS and Fueling Inquiry- Based Science Lessons

ID: 20412 | Grades 6–8 | 322A

Candy Bowen, Learning Coach
Sciences/Science Teacher, Spring
ISD/BrainPop

Research Experiences for K–5 Teachers: Creating 3-D Learning Experiences for the Classroom

ID: 20287 | Grades K–5 | 352F

Risa Hartman, Director of
Education & Outreach, NASCENT
Education Research Center,
University of Texas at Austin

EXHIBITOR SESSION

Science and Music

ID: 50008 | Grades K–5 | 371AD

Marjorie Frank, Houghton Mifflin
Harcourt

FRIDAY WORKSHOPS

EXHIBITOR SESSION

Show Me the Moo-ney! Determine the Genetics of a CA\$H-Cow

ID: 50126 | Grades 9–12 | 370BE

Glenda Goh Denison, PD and Minilab Development Manager, MiniOne Systems

EXHIBITOR SESSION

The View From 1,000,000x: A Tour of the Human Cell

ID: 50206 | Grades 9–12 | 361BE

Ruth Hutson, Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

Using CER to Make Connections With Your Local Fire Department

ID: 50132 | Grades 6–12 | 371CF

Becki White, UL Research Institutes; **Megan O'Keefe**, Senior Content Specialist, UL Research Institutes

Tackling Tangible TEKS

ID: 20236 | Grades 6–12 | 322B

Mary Ford, Science Teacher/Dept. Lead/UII Coordinator, Krum High School

EXHIBITOR SESSION

Transforming K–2 Science With STEMscopes in 2024

ID: 50109 | Pre-K–Grade 2 | 360AD

Becki White, Educator, UL Research Institutes; **Megan O'Keefe**, Senior Content Specialist, UL Research Institutes

EXHIBITOR SESSION

Zombie Apocalypse!

ID: 50097 | Grades 6–12 | 340B

Erick Archer, Marketing Manager, Texas Instruments

SESSIONS | 3:30 p.m.–4:30 p.m.

AFFILIATE SESSION

ACT2 Presents: Promoting Literacy in the Chemistry Classroom

ID: 50035 | Grades 9–12 | 352E

Beth Rollow, Teacher, ACT2

EXHIBITOR SESSION

Build Impactful Scientific and Engineering Practices With LEGO Education

ID: 50219 | Grades K–5 | 351BE

LEGO Education

EXHIBITOR SESSION

Can You Escape the Discovery Education Room?

ID: 50168 | Pre-K–Grade 12 | 361AD

Kristy Vincent, Texas Director, Discovery Education, Inc.

All Hands on Deck: The Impact of Hands-on Activities in Science

ID: 20157 | Grades 3–5 | 350E

Tamesha Brown, ESL Facilitator, Wipro Science Education Fellowship at UNT Dallas; **Markus Burkhalter**, Classroom Teacher, Wipro Science Education Fellowship at UNT Dallas; **Beverly Moore**, Classroom Teacher, Wipro Science Education Fellowship at UNT Dallas; **Jennifer Mosley**, Wipro Science Education Fellowship at UNT Dallas

EXHIBITOR SESSION

Bring Molecular Genetics to Your Biology Classroom With PTC Tasting

ID: 50072 | Grades 9–12 | 351AD

Robert Dennison, Biology Teacher, miniPCR bio

CER, SCR . . . How About We Just Write?

ID: 20069 | Pre-K–Grade 12 | 352A

Nikki McDorman, Elementary Science Coordinator, Castleberry ISD; **Marcey Cogar**, Secondary Science Coordinator, Castleberry ISD

EXHIBITOR SESSION

Bring Out Every Student's Inner Scientist

ID: 50169 | Pre-K–Grade 12 | 371AD

Houghton Mifflin Harcourt

Corn in the Classroom: Agriculture in Elementary Science

ID: 20405 | Grades K–5 | 350A

Hannah Turner, Education Director, Texas Corn Producers

Applied Mathematics Program (AMP!)

ID: 20367 | Grades 6–12 | 372BE

Roger Ramirez, Associate Director for Mathematics and Engineering Education, Rice STEM

EXHIBITOR SESSION

Download Foldables to Increase Engagement in 6-8 Science

ID: 50185 | Grades 6–8 | 360CF

Rhonda Meyer Vivian, COO, Dinah.com; **Laurel Frank**, Science Educator, Dinah.com

Exploring Three-Dimensional Teaching Strategies in Chemistry and Physics

ID: 20018 | Grades 6–12 | 340B

Marlo Diosomito, AP Chemistry/Chemistry Teacher, Kinder HSPVA; **Marina Rodriguez**, Physics Teacher, Rice University Office of STEM Engagement

Interactive Word Walls: Using the Recurring Themes and Concepts to Support Speaking and Writing About Science

ID: 20266 | Pre-K–Grade 12 | 320

Julie Jackson, Ph.D., Associate Professor, Texas State University

Let's Talk ELLs: Strategic ELLs Language Development in the Biology Classroom

ID: 20125 | Grades 9–12 | 322B

Briana Harry, Teacher, L.G. Pinkston High School

Moving to Teaching in 3-D With the New TEKS: How to Incorporate SEPs

ID: 20314 | Grades 6–8 | 310C

Chris Kesler, CEO, Kesler Science

EXHIBITOR SESSION

Power of Phenomenon: Using Curiosity to Drive Equitable Instruction

ID: 50170 | Pre-K–Grade 12 | 372CF

Tobi McMillan, Co-Owner, Think Big Learning; **Marianne Dobrovolsky**, Co-Owner, Think Big Learning

Science Night: 10 Proven Activities to Make Your STEM Fair a Bubbling, Exploring, Zooming, Color-Changing, Inquiry Experience!

ID: 20214 | Pre-K–Grade 12 | 330B

Katie Donaldson, Associate Director/Master Teacher, UTeach Dallas; **Kate York, Ph.D.**, Master Teacher, UTeach Dallas

Stacking STAAR Scores

ID: 20002 | Grades 9–12 | 322A

Alexis Rubio, Science Teacher, JEHS/ECISD

EXHIBITOR SESSION

Strengthening STEM Instructional Capacity: Building a Culture of STEM in Schools and Districts

ID: 50114 | Pre-K–Grade 12 | 360AD

STEMscopes by Accelerate Learning

TEA Presents: Vertical Alignment of the New TEKS

ID: 20237 | Pre-K–Grade 12 | 330A

Carla Bailey, Elementary Math and Science Specialist, TEA; **Liz Baker**, Secondary Science Specialist, TEA

Tips and Tricks for Beginning Science Teachers

ID: 20063 | Grades 6–12 | 381AB

Nicole DiLuglio, Science Teacher, Sharpstown International School

EXHIBITOR SESSION

Uncooking the Egg: Modeling Protein Structure and Denaturation

ID: 50202 | Grades 9–12 | 361BE

Mark Arnholt, Science Educator, 3D Molecular Designs

EXHIBITOR SESSION

Unlocking Understanding: Dynamic Chemistry and Phenomena-Centered Learning

ID: 50188 | Grades 9–12 | 370AD

Michelle Siller, Content Author, Summit K12; **Katrina Lyons**, Content Author, Summit K12; **Steve Kim**, Content Author, Summit K12; **Staci Kwast**, Content Author, Summit K12

Unmasking Air Pollution: A 5E Scientific Inquiry Unit

ID: 20283 | Grades 3–8 | 352F

Natasha Wilkerson, Graduate Researcher, Texas A&M University; **Syahrul Amin**, Graduate Researcher, Texas A&M University

EXHIBITOR SESSION

What the Het?! Leveraging the Flexibility of MiniOne in a High School Snake Breeding Program

ID: 50127 | Grades 9–12 | 370BE

Joseph Ferrara, Upper School Science Teacher, All Saints' Episcopal School

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

Saturday Extended Sessions

Two-hour courses that provide more in-depth looks at specific topics. Extended Sessions are open to all attendees on a first-come, first-served basis. For complete descriptions of the Extended Sessions, please visit the **STATCAST** mobile app.

EXTENDED SESSIONS | 9:30 a.m.–11:30 a.m.

3-D Lesson Design for the New TEKS: Integrating Phenomena, Science and Engineering Practices, and Recurring Themes and Concepts

ID: 20327 | Pre-K–Grade 12 | 380B

Ashley Carter, Ph.D., Secondary Science Coordinator, Plano ISD; **Evan Whitfield**, K–12 Science Director, Coppell ISD; **Michael Adams**, High School Science Specialist, Plano ISD

Avian Academy

ID: 20057 | Pre-K–Grade 12 | 350B

Mary Anne Morris, Education Director, Houston Audubon

Designing Prototypes to Save Coral Reefs

ID: 20084 | Grades 6–12 | 352C

Julie Cooper, Science Team Lead, Cypress-Fairbanks ISD

Dive Into Dissection!

ID: 20172 | Grades 9–12 | 380A

Sophia Garcia, Ph.D., Instructor of Biology, Texas Christian University

Engineering Challenge Accepted! Let's Build This Roller Coaster!

ID: 20312 | Grades 3–5 | 372AD

Heather Domjan, Ed.D., Clinical Associate Professor, University of Houston; **Emma Johnson**, Program Coordinator, University of Houston

Oprah's Favorite Things: 3-D Science Edition!

ID: 20072 | Pre-K–Grade 12 | 372CF

Cindy Bronson, Pre-K–12 Science Coordinator, Lovejoy ISD; **Kelly Suarez**, Elementary Science Coordinator, Northwest ISD; **Rebecca DeBusk**, K–12 Science Coordinator, Keller ISD

Science Experiment Workshop

ID: 20302 | Grades 6–8 | 330A

Kasey Leigh Yearty, Ph.D., Assistant Teaching Professor in Chemistry, Rice University

STEMifying Wiith a Chance of Failure

ID: 20014 | Grades K–5 | 382C

Lauren Kelly, STEM/GT Specialist, Oakmont Elementary; **Chauntee Pitts**, Professional Learning Specialist, STEM Education Works

AFFILIATE SESSION

TAAE Presents: 360 Immersive Experiences—Connecting Students to Coastal Research Laboratories

ID: 50032 | Grades 6–12 | 350D

Mariah Waters, Education Coordinator, Galveston Bay Foundation

TEKS Resource System Deep Dive: Shifts in the New 6–8 Science TEKS

ID: 20291 | Grades 6–8 | 332BE

Dawn Rubio, State K–8 Science Curriculum Development Lead, ESC Region 13/TEKS Resource System

Using Drones to Teach Students How to Code

ID: 20253 | Grades 6–12 | 332CF

Dana Youngblood, STEAM Educator, Cypress Lakes High School

What Did the Fox Say? Differentiation in Ecology and Ecosystems AP Style With Flinn Scientific

ID: 20259 | Grades 9–12 | 352B

Jamay Michael, Teacher, Early College High School

EXHIBITOR SESSION

Where Does Your Cell Phone Come From?: Identifying Trade-offs Along the Supply Chain

ID: 50134 | Grades 6–12 | 371CF

Stephanie Desisto, Lead Project Coordinator, UL Research Institutes; **Daniel Sternberg**, UL Research Institutes; **Jessica Sparacino**, Content Specialist, UL Research Institutes

EXTENDED SESSION | 11:00 a.m.–1:00 p.m.

Fun-ctional Fitness In Space (See What I Did There?)

ID: 50112 | Pre-K–Grade 12 | 320

Steven Smith, STEM Education Specialist, NASA

Saturday Workshops

One-hour presentations by individuals or groups in a classroom setting. Open to all conference attendees on a first-come, first-served basis. For complete descriptions of the Workshops, please visit the **STATCAST** mobile app.

SESSIONS | 8:00 a.m.–9:00 a.m.

AFFILIATE SESSION

ACT2 Presents: The Thermochemistry of Rocket Propellants

ID: 50049 | Grades 9–12 | 352E

Kathleen Holley, Ph.D., AP Science Instructor, Hebron High School

Aquatic Science Labs You Can Do in a Shoebox

ID: 20337 | Grades 9–12 | 340A

Jennifer Greenland, Teacher, Katy ISD

Body Building (With Clay!)

ID: 20115 | Grades 9–12 | 352C

Carolyn Hess, Science Teacher, Keiser University

EXHIBITOR SESSION

Building Future-Ready Middle School Students With LEGO Education

ID: 50220 | Grades 6–8 | 351BE

LEGO Education

Data Discussions and Sensemaking Summaries: Two Powerful Talk Routines for Enhancing Science Lessons

ID: 20358 | Grades K–5 | 352A

Michelle Forsythe, Associate Professor of STEM Education, Texas State University

Depth and Complexity Icons in the Science Classroom: How to Make It Happen!

ID: 20031 | Grades 3–8 | 372BE

Allen Wilson, Educational Specialist-Science, ESC-20

EXHIBITOR SESSION

Developing and Using Scientific Models

ID: 50091 | Pre-K–Grade 12 | 360AD

Shequelle Gims, Regional STEM Coach, STEMscopes by Accelerate Learning; **Elizabeth Esparza**, Regional STEM Coach, STEMscopes by Accelerate Learning

A Discovery of the Atom: A Hands-on (5E) Approach to Constructing the Modern-Day Atom

ID: 20304 | Grades 9–12 | 372AD

Christina Hotchkin, Chemistry Teacher, Pflugerville ISD; **Sara Hill**, Science and Health Specialist, Pflugerville ISD; **Jessica Matthews**, Science Teacher, Pflugerville ISD

EXHIBITOR SESSION

Dive Deep Into the World of Aquatic Science With National Geographic Explorers

ID: 50187 | Grades 9–12 | 371BE

Amy Strong, Customer Success Consultant/Trainer, National Geographic Learning/Cengage

EXHIBITOR SESSION

Elementary Science Techbook for Texas: Discover How Easy It Is to LOVE Science!

ID: 50162 | Grades K–5 | 361AD

Melissa Hampton, Director of Teaching and Learning, Discovery Education; **Evan Sanchez**, Curriculum Specialist for Teaching and Learning, Discovery Education

Engineering and Design: Modeling and Mitigating Stream Processes

ID: 20181 | Grades 6–8 | 350B

Billee Procknow, Marketing and Events Manager, Lab-Aids

Engineering the Next Mars Advance Rover System: M.A.R.S.

ID: 20007 | Grades 6–8 | 380B

Molly Nipper, Ed.D., Teacher, Bendwood School

EXHIBITOR SESSION

Exploring Coherent Knowledge Building Through the Recurring Themes and Concepts (RTCs)

ID: 50214 | Grades K–5 | 330B

Caren Limbrick, Implementation Support Specialist, Great Minds

Fast and Furious: Geared Up

ID: 20344 | Grades 6–8 | 381AB

Sonnie Moore, 8th Grade Science Teacher, Rusk ISD; **Leah Besson**, 7th/8th Grade Science Teacher, Rusk ISD

The Food Poisoning Story: A Science Lesson Using Phenomenon and Modeling

ID: 20328 | Grades 6–12 | 372CF

Sara Szymanski, Instructional Coach, Katy ISD; **Karen Pennywell**, Instructional Coach, Katy ISD

Focus Sheets/Notebook Vocabulary

ID: 20364 | Grades 9–12 | 380A

Sonja Crowell, Teacher & Accelerated Learning Coordinator, Lubbock High School

EXHIBITOR SESSION

Exploring Coherent Knowledge From Research to Classrooms. How ULRI is Engaging the Future of Safety Science With (Free) Xplorlabs.org

ID: 50102 | Grades 6–12 | 371CF

Megan O’Keeffe, Senior Content Specialist, UL Research Institutes; **Daniel Sternberg**, UL Research Institutes

Get AI Ready!

ID: 50146 | Pre-K–Grade 12 | 342AD

Jim Beasley, Director of Technology, Llano ISD; **Maurie Beasley**, Technology, Llano ISD

How to Promote and Support Learning After Introducing a Phenomenon

ID: 20146 | Grades 6–8 | 382AB

Victor Sampson, Ph.D., Associate Professor of STEM Education, University of Texas at Austin

I Have a Phenomenon. Now What? Using Student Questions to Drive the Learning

ID: 20280 | Grades 6–12 | 322B

Jamie Rayford, Instructional Coach, Katy ISD

Interactive Word Walls for Enhanced Vocabulary Retention

ID: 20094 | Grades 6–12 | 362D

Amy Neville, Teacher, Anna ISD

EXHIBITOR SESSION

Is It CRAP? Exploring Tools for Science Literacy With BioInteractive

ID: 50060 | Grades 6–12 | 352F

Keri Shingleton, Ambassador, HHMI BioInteractive

AFFILIATE SESSION

ISEA Presents: Green Jobs—Exploring STEM Natural Resource Careers

ID: 50015 | Pre-K–Grade 12 | 350E

Ted Stevens, Education Director/PLT State Coordinator, Texas Forestry Association

EXHIBITOR SESSION

It All Begins With Water

ID: 50204 | Grades 6–12 | 361BE

Ruth Hutson, Science Educator, 3D Molecular Designs

It’s Not Just Algebra: Assessing Student Thinking in Physics Problem Solving

ID: 20086 | Grades 9–12 | 330A

Christopher Moore, Ph.D., Dr. George F. Haddix Community Chair in Physical Science, University of Nebraska Omaha

Learning Tools and Tips

ID: 20380 | Grades 6–8 | 382C

Heidi Gomez, 8th Grade Science Teacher, Liberty Memorial Middle School

Making Vocabulary Memorable

ID: 20269 | Pre-K–Grade 12 | 350A

Melissa Brown, Elementary Science Curriculum Specialist, New Braunfels ISD

EXHIBITOR SESSION

No Wrong Turns: Onramps Into STEM Careers

ID: 50133 | Grades 6–12 | 371CF

Daniel Sternberg, UL Research Institutes; **Stephanie Desisto**, Lead Project Coordinator, UL Research Institutes; **Katey Shirey**, UL Research Institutes

People and Wildlife: Lessons on Interconnections and Biodiversity

ID: 20053 | Grades 6–8 | 332BE

Cynthia Hopkins, Ph.D., Middle School Science Teacher, Corpus Christi ISD

EXHIBITOR SESSION

Phenomenal Physics: From Everyday Wonders to Classroom Revelations

ID: 50189 | Grades 9–12 | 370AD

Kristi Haire, Content Author, Summit K12; **Staci Kwast**, Content Author, Summit K12; **Becky Key**, Content Author, Summit K12

EXHIBITOR SESSION

Science and Music

ID: 50008 | Grades K–5 | 371AD

Marjorie Frank, Houghton Mifflin Harcourt

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

SATURDAY WORKSHOPS

EXHIBITOR SESSION

Spark Curiosity and Innovation: Ready Made STEAM Activities Tied to the New Science TEKS

ID: 50199 | Pre-K–Grade 12 | 360CF

Wendy Beltran, Curriculum Specialist, McGraw Hill; **Renee McCown**, Curriculum Specialist, McGraw Hill

EXHIBITOR SESSION

Supporting Students to Construct Scientific Explanations

ID: 50222 | Grades 3–8 | 381C

Ted Willard, Senior Subject Matter Expert in Science, Discovery Education

AFFILIATE SESSION

TCES Presents: Exploring the Future of Science Education— Harnessing AI for Engaging Classroom Experiences

ID: 50023 | Grades 3–8 | 350D

Rocco Williams, Science Curriculum Coordinator, Fort Worth ISD

AFFILIATE SESSION

TESTA Presents: Share-a-Thon

ID: 50037 | Grades 6–8 | 350C

Kathryn Barclay, TESTA

AFFILIATE SESSION

TSAAPT Presents: Energy Columns—A Crushing investigation of Energy

ID: 50047 | Grades 9–12 | 350F

Meghan DiBacco, Teacher/Coach, Katy ISD; **Ryan Piwetz**, Teacher, Port Aransas High School

AFFILIATE SESSION

TSELA Presents: So, You Want to Be a District Science Leader?

ID: 50051 | Grades 6–12 | 352D

Tina Hovance, Secondary Science Coordinator, Katy ISD; **Ann Mulvihill**, AVID Secondary Program Manager, Garland ISD

Understanding Global Ecology: Interdependent and Interacting Systems, Models, Stability, and Change

ID: 20273 | Grades 9–12 | 322A

Joseph Levine, Ph.D., Author, Educator, Savvas Learning

Ways to Support Teachers as They Learn How to Facilitate 3-D Instruction

ID: 20206 | Pre-K–Grade 12 | 332CF

Todd Hutner, Teacher Educator & Curriculum Developer, University of Texas

What Do Pill Bugs Eat? A Phenomena to Explore!

ID: 20215 | Pre-K–Grade 2 | 352B

Lollie Garay, MST Instructor, Baylor College of Medicine; **Jimmie Thomas, M.Ed.**, STEM Instructional Designer, Baylor College of Medicine

SESSIONS | 9:30 a.m.–10:30 a.m.

AFFILIATE SESSION

ACT2 Presents: Using Desmos in Chemistry Classrooms

ID: 50006 | Grades 9–12 | 352E

Krystle Moos, Chemistry Teacher, Midway Independent School District

EXHIBITOR SESSION

Bring CRISPR/Cas to Your Class

ID: 50066 | Grades 9–12 | 351AD

Allison Nishitani, Ph.D., Curriculum Director, miniPCR bio

EXHIBITOR SESSION

Cultivating Curiosity: Phenomena-Powered Learning Engaging All Students Using Dynamic IPC

ID: 50190 | Grades 9–12 | 370AD

Kathie Blanco, Ed.D., Content Author, Summit K12; **Amanda Bugyi**, Content Author, Summit K12; **Dyana Edwards**, Content Author, Summit K12; **Tracee Turner**, Content Author, Summit K12

EXHIBITOR SESSION

Building a STEAM/STEM Program With LEGO Education

ID: 50221 | Pre-K–Grade 12 | 351BE

LEGO Education

Alligator Crossing: Death, Diatoms, and Entomology (2.0)

ID: 20160 | Grades 9–12 | 352A

Tessah Zepeda, Forensic Science Teacher, Los Fresnos High School; **William Thompson**, Science Teacher, Los Fresnos High School

EXHIBITOR SESSION

Eclipsing Your Digital Expectations in Astronomy Using Virtual Labs and Simulations

ID: 50149 | Grades 9–12 | 371BE

Mark Hoffman, Senior Product Marketing Manager, National Geographic Learning/Cengage

Empowering Teachers With AI: Strategies for Differentiation

ID: 20121 | Pre-K–Grade 12 | 322A

Bruce Ellis, Ed.D., Director of Professional Development, TCEA

Engaging Learners Through Phenomena

ID: 20298 | Pre-K–Grade 12 | 330B

Mary C. Morgan, Instructional Coach, Allen ISD; **Lindsey Lauer**, Biology Teacher/Team Lead, Allen ISD

EXHIBITOR SESSION

Exploring the Science and Engineering Practices Through the Engineering Design Process

ID: 50227 | Grades K–3 | 340B

Caren Limbrick, Implementation Support Specialist, Great Minds

Exploring With the SEPs and RTCs

ID: 20133 | Pre-K–Grade 12 | 382AB

Tabatha Smith, Secondary Science Specialist, Lubbock ISD; **Karen Litteral**, Elementary Science Specialist, Lubbock ISD

EXHIBITOR SESSION

A Hands-on Lab to Teach the Central Dogma of Molecular Biology

ID: 50067 | Grades 9–12 | 351AD

Allison Nishitani, Ph.D., Curriculum Director, miniPCR bio

Hands-on Science Activities Presented by Preservice Teachers

ID: 20282 | Grades K–5 | 372BE

Michael Kamen, Ph.D., Professor Southwestern University

EXHIBITOR SESSION

How Science Works: Modeling the Scientific Method for Meaningful Engagement

ID: 50059 | Grades 6–12 | 340A

Brenda Royal, Ambassador, HHMI BioInteractive

Interactive Word Walls: Visual Scaffolds That Transform Content Vocabulary Instruction

ID: 20263 | Pre-K–Grade 12 | 362D

Julie Jackson, Ph.D., Associate Professor, Texas State University

Leveraging Environmental Learning in Three-Dimensional Unit Design

ID: 20365 | Grades 3–5 | 381C

Leidy Luciani, STEM Coordinator/Teacher, Parish Episcopal School

EXHIBITOR SESSION

Practices Make Personal: Real-World Science in the Click of a Button

ID: 50229 | Pre-K–Grade 12 | 350A

Paula Taylor, Senior Manager, Partner Success, Discovery Education; **L'Tunya Bernard**, Elementary Science Supervisor, Port Arthur ISD

The Science of Infectious Diseases

ID: 50087 | Grades 9–12 | 361BE

Tim Herman, Ph.D., Science Officer, 3D Molecular Designs

EXHIBITOR SESSION

Science Notebooking: Fostering Inquiry and Reflection in the Classroom

ID: 50200 | Grades 6–12 | 360CF

Andrea Jenkins, Curriculum Specialist, McGraw Hill; **Amanda Perez**, Curriculum Specialist, McGraw Hill

EXHIBITOR SESSION

Secondary Science Techbook for Texas: Discover How Easy It Is to LOVE Science!

ID: 50160 | Grades 6–12 | 361AD

Melissa Hampton, Director of Teaching and Learning, Discovery Education; **Evan Sanchez**, Curriculum Specialist for Teaching and Learning, Discovery Education

AFFILIATE SESSION

TABT Presents: Jenga Biology

ID: 50005 | Grades 6–12 | 350E

Claire Vollmar, Consultant, TABT

SATURDAY WORKSHOPS

Taking the “F” Out of Science and STAAR (Fear, Fail, Foreign, etc.) Using Fun “Affixes” (the Language of Science!)

ID: 20382 | Pre-K–Grade 12 | 352F

Morney Duncan, Ed.D., Lead Instructional Coach/Power Teacher, Texans Can Academy

TEA Presents: Statewide STEM Programming and STEM Toolkit Resources

ID: 20216 | Pre-K–Grade 12 | 381AB

Michelle Sedberry, Statewide STEM Coordinator, TEA

Teaching About Climate Science: Tipping Points and Impacts

ID: 20156 | Grades 6–12 | 322B

Michael Wyssession, Ph.D., Professor/Executive Director, Center for Teaching and Learning, Washington University in St. Louis

AFFILIATE SESSION

TESTA Presents: Effectively Integrating the Technology and Engineering TEKS

ID: 50044 | Grades 6–8 | 350C

Lisa Stone, CTE Computer Science, Fort Bend ISD

EXHIBITOR SESSION

Transforming Science With STEMscopes in 2024

ID: 50113 | Pre-K–Grade 12 | 360AD

STEMscopes by Accelerate Learning

AFFILIATE SESSION

TSAAPT Presents: Engineering Design and 3-D Printers

ID: 50019 | Grades 9–12 | 350F

Meghan DiBacco, Teacher/Coach, Katy ISD; **Ryan Piwetz**, Teacher, Port Aransas High School

AFFILIATE SESSION

TSELA Presents: Preparing a Strategic Plan for the New TEKS Implementation With Science Leaders

ID: 50045 | Grades 9–12 | 352D

Tina Hovance, Secondary Science Coordinator, Katy ISD; **Lindi Kudlacek**, Secondary Science Coordinator, Katy ISD

Weather Radar 102: Advanced Concepts to Use and Share

ID: 20393 | Grades 6–12 | 342AD

Don Loving, Professor of Science, Murray State College

The Visual Non-Glossary: Get Students Talking About Science With Structured Visuals!

ID: 20120 | Pre-K–Grade 12 | 362D

Stephen Fleenor, Ph.D., Lead Content Developer, Seidlitz Education

SESSIONS | 11:00 a.m.–12:00 p.m.

AFFILIATE SESSION

ACT2 Presents: Building Inquiry Through Targeted Labs

ID: 50007 | Grades 9–12 | 352E

Krystle Moos, Chemistry Teacher, Midway ISD

EXHIBITOR SESSION

Bring Out Every Student's Inner Scientist

ID: 50169 | Pre-K–Grade 12 | 371AD

Houghton Mifflin Harcourt

Calling All Planeteers!

ID: 20209 | Grades 6–12 | 382AB

Kayla Fuller, Science Teacher, Hallsville ISD; **Teresa Strizich**, 8th Grade Lead Teacher, Hallsville ISD; **Miranda Rice**, 8th Grade Science Teacher, Hallsville ISD; **Kylee Mixon**, 8th Grade Science Teacher, Hallsville ISD

The Amazing Science RACES

ID: 20350 | Grades 3–8 | 340A

Dianna Kleeman, 4th Grade Science/Social Studies Teacher, Alvarado ISD; **Julia Autry**, 4th Grade Science/Social Studies Teacher, Alvarado ISD

Building STEM Thinking Using Phenomenon and the Science and Technology TEKS

ID: 20383 | Grades 9–12 | 381C

Baily Dizdar, High School Science Curriculum, Lead Spring Branch ISD

Engaging Students in Civic Science and Action

ID: 20051 | Grades 6–12 | 322A

Lisa Gianukos, Program Director, The Children's Environmental Literacy Foundation

Force and Motion Interactive Vocabulary

ID: 20284 | Grades 3–5 | 350A

Martina Santana, 6th Grade Teacher
LJISD/RGVSA; **Esther Weisman**,
Board Member, RGVSA

EXHIBITOR SESSION

Juggling the Three Dimensions With Ted Willard

ID: 50166 | Grades 6–8 | 361AD

Ted Willard, Senior Subject Matter
Expert in Science, Discovery Education

Showing Their Work: Two Methods of Standards- Based Teaching and Assessments in the High School Science Classroom

ID: 20135 | Grades 9–12 | 322B

Danielle Herridge, Science Teacher,
St. Dominic Savio Catholic High
School; **Pamela Koo**, Science
Department Chair, St. Dominic Savio
Catholic High School

EXHIBITOR SESSION

Hands-on Force, Motion, and Energy With LEGO Education

ID: 50222 | Grades 3–8 | 351BE

LEGO Education

Help Your Students With Investigations: Increase Their Quality of Observations and Analysis

ID: 20067 | Grades K–5 | 342AD

Jason Harding, Section Leader-
Elementary, King's College, London/
CLEAPSS

EXHIBITOR SESSION

Our New Future With SEPs and RTCs, Oh My!

ID: 50090 | Pre-K–Grade 12 | 360AD

Lisa Dentler, Regional STEM Coach,
STEMscopes by Accelerate Learning;
Cyndi Loter, Regional STEM Coach,
STEMscopes by Accelerate Learning

Sketching to Learn: Strategies for Facilitating Concept Sketches in Any Science Course

ID: 20345 | Grades 6–12 | 330B

Alison Mote, Geoscience Dual
Enrollment Course Manager,
OnRamps-UT Austin

Informal and Formal Education Strategies for Increasing Diversity, Equity, and Inclusion of the Next- Generation Environmental Science Workforce

ID: 20244 | Grades 6–12 | 340B

Ashanti Johnson, Ph.D., STEM
Human Resource Development, East
Central University

EXHIBITOR SESSION

Phenomenal Science Instruction: Making Sense of Sensemaking in Middle School

ID: 50193 | Grades 6–8 | 370AD

Michael Claypool, Content Author,
Summit K12; **Elizabeth Gonzalez**,
Content Author, Summit K12; **Caroline
Reeves**, Content Author, Summit K12

Small Groups Are Not a Murderous Event

ID: 20198 | Grades 6–12 | 362D

Kim Anderson, Science Instructional
Coach, Clear Creek ISD; **Zach Plegier**,
Instructional Coach, Clear Creek ISD

TEA Presents: STAAR - Short Constructed Response (SCR) Scoring

ID: 20242 | Pre-K–Grade 12 | 381AB

Brian Byrwa, Science Education
Specialist, TEA; **Jo Ann Bilderback**,
Math/Science/Social Studies
Director, TEA

AFFILIATE SESSION

ISEA and TAEF Present: Introduction to the Texas Natural Resources and Environmental Literacy Plan

ID: 50083 | Pre-K–Grade 12 | 350E

Sarah Coles, Executive Director,
Texas Children in Nature Network

EXHIBITOR SESSION

Phenomenon-Based Learning Through the Eyes of the National Geographic Explorers

ID: 50183 | Grades 9–12 | 371BE

Brock O'Shell, Customer Success
Consultant, National Geographic
Learning/Cengage

AFFILIATE SESSION

TESTA Presents: Improving Tier 1 Instruction at the Middle School Level

ID: 50025 | Grades 3–8 | 350C

Natasha Garza, 8th Grade Science
Teacher, Franklin ISD; **Kim Herring**,
7th Grade Science Teacher, Franklin
Middle School

SATURDAY WORKSHOPS

AFFILIATE SESSION

TSAAPT Presents: Marvelous Light Phenomena

ID: 50017 | Grades 9–12 | 350F

Karen Jo Matsler, Ed.D., UTA
UTeach, TSAAPT

EXHIBITOR SESSION

Visual Voyage: Spark Curiosity in the 9-12 Classroom through the Power of Visual Media

ID: 50198 | Grades 9–12 | 360CF

Matthew Pyeatt, Ph.D., Curriculum Specialist, McGraw Hill; **Bryan McCaskill**, Curriculum Specialist, McGraw Hill

Why Can't We Walk Through Walls? A Quantum Storyline

ID: 20085 | Grades 9–12 | 352F

Christopher Moore, Ph.D., Dr. George F. Haddix Community Chair in Physical Science, University of Nebraska Omaha

SESSIONS | 12:30 p.m.–1:30 p.m.

AI-Ready: How to Craft Prompts That Get Results in the Classroom

ID: 20122 | Pre-K–Grade 12 | 332CF

Bruce Ellis, Ed.D., Director of Professional Development, TCEA

Classroom Educational Website for Science Content

ID: 20111 | Grades 3–5 | 352A

Shelby Allen, 5th Grade Teacher, Denton ISD

Focus Your Flock With Goosechase

ID: 20419 | Pre-K–Grade 12 | 382AB

Melissa Luna, Elementary STEM Coordinator, Garland ISD

The Amazing Race: Maximizing Student Engagement and Collaboration

ID: 20003 | Grades 6–12 | 340B

Phillip LoSasso, GT Facilitator, Katy ISD

Constructivism in the Science Classroom

ID: 20374 | Pre-K–Grade 12 | 322A

Joel Palmer, Ed.D., Teacher, Science Education Services

EXHIBITOR SESSION

Getting College Ready With AP Science Tips and Resources

ID: 50184 | Grades 9–12 | 371BE

Mark Hoffman, Senior Product Marketing Manager, National Geographic Learning/Cengage

Basil Bedlam! Integrating Hydroponics Into the Science Classroom Using Challenge-Based Learning

ID: 20224 | Grades 6–12 | 322B

Andrew Kipp, Ed.D., Clinical Assistant Professor-STEM Education, Texas A&M University

Dumpster Dive With STEM

ID: 20079 | Grades 6–12 | 350B

Jessica Kohout, Environmental Educator, Howard County Conservancy; **Stacy Thibodeaux**, Chemistry/Robotics Teacher, Southside High School

Hands-on Science! What Do I Do? Planning for Lab Investigations

ID: 20321 | Grades 6–12 | 352B

Greg Adragna, High School Science Teacher, Rice University Office of STEM Engagement

EXHIBITOR SESSION

Bring Out Every Student's Inner Scientist

ID: 50169 | Pre-K–Grade 12 | 371AD

Houghton Mifflin Harcourt

Effective Science Instruction for Gifted Science Students

ID: 20129 | Pre-K–Grade 12 | 330A

Justin Pata, GT Science/Social Studies Teacher, Richardson ISD

Enhanced Fuel Recovery Model: The Phenomena Approach

ID: 20403 | Pre-K–Grade 12 | 330B

Jean Langevine, Ed.D., District Science Specialist, Galveston ISD; **Laura Hurt**, Science Teacher Galveston ISD; **Catherine Thomas**, Lead Science 8th Grade Teacher, Galveston ISD

Hands-on STAAR Review Using Stations

ID: 20201 | Grades 3–5 | 350F

Brittney Preston, 5th Grade Science Teacher, WIPRO Science Fellow

For complete session descriptions and speaker bios, visit the **STATCAST Mobile App!**

Improving Performance and Retention in Biology

ID: 20422 | Grades 3–8 | 372AD

Kacey Humphries, Science Department Head, Brownwood ISD; **Kristina Owen**, Secondary Curriculum Coordinator, Brownwood ISD

Interactive Word Walls

ID: 20035 | Grades 6–12 | 372BE

Meaghan McDowell, 8th Grade Science Team Lead, Katy ISD

EXHIBITOR SESSION

Getting College Ready With AP Science Tips and Resources

ID: 50184 | Grades 9–12 | 371BE

Mark Hoffman, Senior Product Marketing Manager, National Geographic Learning/Cengage

EXHIBITOR SESSION

The Journey Starts Now! Phenomena-based Inquiry and Sensemaking for Grades K–5

ID: 50197 | Grades K–5 | 370AD

Bonnie Austin, Content Author, Summit K12; **Katherine McCaffrey**, Content Author, Summit K12; **Terry White**, Content Author, Summit K12

Nature Play and Inquiry-Based Learning: An Interdisciplinary Biliteracy Sequence for Young Learners!

ID: 20127 | Pre-K–Grade 2 | 350E

Maria Arreguin, Ed.D., Professor of Early Childhood and Elementary Education, University of Texas at San Antonio

No More Smelly Preserved Cats!

ID: 20116 | Grades 9–12 | 350A

Carolyn Hess, Biology Science Teacher, Keiser University

EXHIBITOR SESSION

The NSTA Atlas of Three Dimensions

ID: 50223 | Grades 3–8 | 372CF

Ted Willard, Senior Subject Matter Expert in Science, Discovery Education

The Ocean Is Acid? Easy Lessons to Break Down This Global Issue

ID: 20174 | Pre-K–Grade 12 | 362D

Katie Doyle, Oceans Teacher, Flour Bluff ISD

Periodically Cubed

ID: 20164 | Grades 6–12 | 381AB

Carrie Birdsong, 7th/8th Grade Science Teacher, Fossil Hill Middle School

Recurring Themes and Concepts (RTCs) as a Tool for Sensemaking

ID: 20091 | Pre-K–Grade 12 | 381C

Dodie Resendez, Education Specialist, Region 4 ESC

AFFILIATE SESSION

TAAE Presents: Classroom STEM Workshops

ID: 50030 | Pre-K–Grade 12 | 350D

Cindy Wilems, Director of Education, Galveston Bay Foundation

EXHIBITOR SESSION

Teaching Science Practices: Effective Engagement in the Study of AP Biology

ID: 50159 | Grades 9–12 | 382C

Paula Phillips, AP Biology Teacher, Lansing High School

TikTok Tech 2.3

ID: 20272 | Grades 6–12 | 342AD

Maricela Ramirez, Science Teacher/Remote Learning Instructor, Donna ISD; **Dina Rivera**, Physics/Biology Teacher, Donna ISD

EXHIBITOR SESSION

Transforming Science Education With Pivot Interactives

ID: 50206 | Grades 6–12 | 361AD

Melissa Hampton, Director of Teaching and Learning, Discovery Education; **Evan Sanchez**, Curriculum Specialist for Teaching and Learning, Discovery Education

AFFILIATE SESSION

TSELA Presents: Train to Retain—Implementing New Teacher Academy

ID: 50050 | Pre-K–Grade 12 | 352D

Courtney Toht, Secondary Science Coordinator, Northwest ISD; **Kelly Suarez**, Elementary Science Coordinator, Northwest ISD

Unlocking Curiosity: DIY Escape Rooms in the Science Classroom

ID: 20397 | Grades 6–12 | 332BE

Tara Wood, Teacher, Katy ISD; **Katie Lindley**, Classroom Technology Designer, Katy ISD

EXHIBITOR SESSION

Why BIOZONE's Biology for Texas Should Be on Your Resource List

ID: 50128 | Grades 9–12 | 372BE

Richard Allan, CEO, BIOZONE