



2019 K-12 Annual
Technology Conference
Innovate, Integrate, Motivate Your Classroom
February 28, 2019 · Kauffman Conference Center

kcpto
KANSAS CITY PBS

Getting to Yes with Innovating Learning Grade Level: 9-12

Session 1

Supporting the whole child requires engaging students to prepare them for navigating their careers, contributing to their communities and identifying their interests. Through the use of KCPT's *American Graduate* video series and some interactive problem-based scenarios, educators will leave this session with a step-by-step toolkit for infusing the concepts of workforce development and the 21st-century global environment into the current curriculum.

Through the use of interactive tools, students will be given numerous opportunities to use technology, draw inferences, and form conclusions about the workforce development issues surrounding the Kansas City region and beyond. In this upbeat, fast-paced session, educators will learn about strategies that engage and challenge today's generation of learners to communicate, create and think critically.

Presenters:

Dr. Sherri Lewis
Educational Consultant

Dr. Elaine Metcalf
Educational Consultant

The Introverted Student: Using Technology to Unlock Their Voice Grade Level: 6-12

Session 3

This session will take a look at strategies that help give a voice to students who are introverts in the classroom. How can students find confidence in language and knowledge by using back channels, digital collaboration, self-reflection through forms, digital feedback and more. How can we help the students who struggle with confidence break out of their shell? The information is based on "Embarrassment" by Thomas Newkirk, "Quiet" by Susan Cain and John Hattie's "Visible Learning."

Presenter:

Lindsay Stephenson
Instructional Coach
Shawnee Mission South
Twitter: @MrsStephenson3

Lights, Camera, Action (Teach and Reflect)

Grade Level: K-6

Session 3

See yourself through the eyes of your students. What is the quality of your mathematics instruction? What is the power of video, and how can it be utilized in the classroom? In this interactive session participants will be provided with the opportunity to be a reflective practitioner by exploring opportunities and benefits from being videotaped. Participants will witness the good in a learner-friendly environment for both the classroom teacher and the students. The Making Math Matter grant in cooperation with KCPT, the Blue Springs School District, Center School District, Hickman Mills School District and Wellington-Napoleon School District provided an opportunity for educators to be filmed as a component of their professional learning communities established within the grant. Please join us as we talk about our experiences and offer support for individuals or teams to develop an action plan for classroom policies, procedures and best practices for all students.

Presenters:

Craig Dierking
Secondary Mathematics Instructional Coach
Blue Springs School District

Erin Bailey
Elementary Instructional Coach
Blue Springs School District

SHIFT HAPPENS: Developing Learner Success for the 22nd Century

Grade Level: 9-12

Sessions 3 & 4

What does learning really mean in the rapidly shifting world in which we live? How are we to know what skills will best prepare the learners of the future? In this session, we will reveal the skills that will propel learners into the next century, preparing them for success in uncharted waters. Using the student technology help desk as a model, we will discuss how our program embodies these necessary "22nd century skills" as well as providing tips for how any lead learner can incorporate them in their own learner-centric exploration space.

Presenter:

Sarah E. Larson, M.Ed.
Student Technology Help Desk Facilitator
Platte County High School

Resilience – Wear Teflon, Not Velcro

Grade Level: K-12

Session 1

How do you respond when life throws you a curveball? How do you stay positive during challenging times? Learn three practical strategies to become more resilient and how to be at your best every day.

Presenter:

Karen Talken
Performance Consultant
Black & Veatch

Making It with Makey Makey

Grade Level: 6-12

Sessions 2 & 4

There is a range of technology tools that you can use in your classroom to engage students. Come check out some of those tools in this session. We will specifically focus on how to integrate Makey Makey in the classroom. From interactive posters to using it across core subjects - math, ELA, science and social studies - to engage your students and keep them motivated in their learning experience.

Presenter:

Ina Montgomery, M.Ed.
Founder, Edupreneur Director
Urban TEC

Stream Free Video: Kanopy for Kids

Grade Level: K-6

Sessions 2 & 4

Engage students of all ages. This service from the Kansas City Public Library is free to anyone with a library card and was designed with teachers in mind. Explore the myriad of topics available – science, history, languages and more. After this session, you will know how to find the right streaming video at the right length on the right topic with the right interest level for your students.

Presenter:

Anna Garcia
Education Librarian
The Kansas City Public Library

The Entrepreneurial Mindset

Grade Level: 9-12

Session 3

The entrepreneurial mindset offers teachers a fun way to expand the thinking of their students. This includes a five-step process that is fun, interactive and easily taught to the students through various applications. The flexibility of this process allows for easy integration into any curriculum. The precepts contained within this program can be taught by anyone, even those who have never experienced entrepreneurialism. The logic set forth allows students to have a template to go by in any situation, helping them to think innovatively for homework, learning and all the way through career placement or starting their own business.

Presenter:

Alicia Hooks, Ph.D.
Entrepreneurship & Workforce Center
Kansas City Kansas Community College

Teaching & Learning Styles Workshop

Grade Level: 9-12

Session 4

True Colors offers further seminars to help you put the concepts into action in a variety of contexts and keep them alive in your school, university or school district. These applications can include training for teachers to understand how to teach to the True Colors of their students, True Colors Leadership and True Communication – just to name a few. True Colors-certified facilitators in your district can also acquire additional certification to teach these applications internally for your staff. Students bring a lot more than books and pencils into the classroom. They carry a lot of personal baggage as well. Students' background, home life, and all of the constructive and disruptive forces in their lives affect their ability to learn. True Colors is a way to understand what makes each student tick, and how to help her or him to succeed.

Presenter:

Alicia Hooks, Ph.D.
Entrepreneurship & Workforce Center
Kansas City Kansas Community College

Wait, Google Apps Can Do THAT?!?

Grade Level:

Sessions 2 & 5

We all know the Fab Four (Docs, Slides, Sheets and Drive), but did you know G Suite has a lot more to offer? This session will take you on a tasting tour of innovative uses for Google Hangouts and Google Meet video chat, Google Drawings and even Google Sheets!

Presenter:

Joe Park
Instructional Technology Coordinator
St. Therese North

KEVA Puts the STEAM in STEM

Grade Level: K-3

Sessions 3 & 5

This fun and engaging workshop offers a hands-on approach for teachers to explore design thinking and the engineering process using KEVA planks. Teachers will learn ways to use selected children's books and photographs to connect KEVA structures to the real world, while addressing STEAM goals, the four C's (communication, collaboration, critical thinking, and creativity) and learning standards.

Presenter:

Sondra Lamb
Co-Founder
The Institute of Black Invention & Technology, Inc

Explore Engineering

Grade Level: K-5

Session 2

Engineers are creative problem solvers who make a difference in the world. They harness science and mathematics skills to work in teams, using creativity, communication and collaboration. Life skills that come from thinking like an engineer include deconstructing problems, working in teams, testing solutions, overcoming failure and persevering. Discover engineering, why it's important, and how to foster an engineering mindset in the classroom.

Presenter:

Aswathi Pradeep
Water Treatment Process Engineer
Black & Veatch
Ragan Gum
Associate Lead Software Engineer
Cerner

True Colors – In Living Color!

Grade Level: 9-12

Session 5

Participants in the Teaching and Learning Styles Workshop learn about the True Colors philosophy and how it can aid in understanding individual students, opening up communication and helping them succeed. Now, you can experience True Colors ... in living color! You will experience an abbreviated True Colors workshop that includes self-discovery of your own True Colors spectrum. You will learn how to use this knowledge to tap into the strengths of others to better communicate, motivate and reward in your classroom environment. You will see how even this brief introduction will enable you to enhance teacher/peer relationships and elevate student interactions. Just imagine all of the colorful possibilities for your classroom! (The Teaching and Learning Styles Workshop is a prerequisite for participation in this workshop.)

Presenter:

Wendy Bost
Business Communications Consultant
True Colors Facilitator

Youth Activism and Engagement: Preparing Students to Advocate for Change

Grade Level: 9-12 (6-8 might like to join)

Session 2

Our country has a long history of youth-led movements that brought about significant social change. Young people have advocated for child labor laws, voting rights, civil rights, school desegregation, immigration reform and LGBT rights. Through their actions, the world has changed. Because young people often have the desire, energy and idealism to do something about the injustice they see in the world, they are powerful agents for change. Our work in education helps students examine implicit and overt forms of bias and discrimination, and as a result, educators often feel a responsibility to provide students with the structure, opportunity and tools to do something about the injustice they see in the world. These are lifelong skills and attitudes that teach students about citizenship and that there is something they can do when faced with injustice. The strategies can be acted upon individually or organized together as a group, and young people can join with a larger effort that is taking place locally or nationally.

Presenter:

Tabari Colman, MPA
Education Director
Anti-Defamation League Heartland

A Look at PBS LearningMedia

Grade Level: K-12

Session 2

PBS LearningMedia has become *the* destination for over 100,000 high-quality digital content resources and solutions that can be trusted to inspire students and transform their learning. Because these innovative resources are mapped to state and national standards, the content you need to galvanize your lessons is easily accessed. Because of a partnership with the WGBH Educational Foundation and a community-supported network of public media stations, this service is *free* to all teachers and students. Learn how students can create storyboards using PBS LearningMedia resources to make a class presentation.

Please contact Gary Brock at gbrock@kcpt.org for free training at your school.

Presenter:

Stephanie Mayhew
Computer Teacher
Pitcher Elementary
Kansas City Public School District

Developing a Purpose-Driven Learning Environment

Grade Level: 6-12 (this session is for all grades; however, it will focus on grades 6-12)

Session 5

The session will focus primarily on middle and high school classrooms and will emphasize developing lessons based on the purpose behind the content taught and skills demonstrated by students. The model coordinates well with Standard Based Grading as well as lessons designed to align with state or district standards. This presentation is appropriate and applicable for all content areas.

Presenter:

Matt Stephenson
Olathe School District

Sink or Swim: A Real-World Engineering Challenge Designed by Engineers

Grade Level: 5 (possibly 4th grade)

Session 3

The session will walk participants through a multifaceted design problem, step by step, to achieve objectives given to the students. Through the activity, the students will exercise competencies aligned specifically with Kansas and Missouri education/curriculum standards, including science, math and engineering standards. The design challenge involves building a scale model boat out of everyday materials, but as with every engineering problem worth solving, there are constraints and competition to see who can optimize their team's design to meet/exceed the objectives.

This design challenge not only takes students through the standard scientific method for problem solving, but it orients them with robust engineering skills that practicing engineers need in order to be successful (e.g., how to document the design process appropriately, how to handle failure/dead ends, how to communicate as part of a team, etc).

Presentation of this session will be by engineers from Black & Veatch who have been engaged in STEM outreach with local schools for many years. Join us for this exciting and challenging design curriculum presentation!

Presenter:

Aaron Kilstofte
P.E. Mechanical Engineer
Distributed Generation – Combined
Heat & Power

Augmented Reality

Grade Level: 4-12

Sessions 1 & 4

Where does education fit among all the possibilities? This session will examine student-centered experiences with virtual and augmented reality and how the real power may just lie within student-created activities! Come explore OUTSIDE the box!

Presenter:

Cynthia Garrety, Ph.D.
Instructional Technology Facilitator
Hickman Mills School District

Engineering in a Fun Way with Brix

Grade Level: 1-5 (seating limit 20)

Session 1

Brixology is a STEM workshop series, allowing kids to step into the shoes of an engineer! They will use critical thinking, cooperation and creative problem-solving to test and improve their creations.

Presenter:

Tommy Hodapp
Program Developer
Mad Science of Greater Kansas City

Canvas Levels of Learning – Blended Professional Learning

Grade Level: 6-12

Session 5

It's time to level up your Canvas knowledge! Canvas Levels of Learning is a gamified, on-demand, self-paced professional learning opportunity that allows staff members to build upon their current Canvas knowledge to Level Up their learning. In this session, you will learn how you can gamify your professional learning in a blended learning environment, and how to motivate your staff by demonstrating their knowledge and working their way up the leaderboard. We will discuss how this blended learning professional development structure can be applied to other learning management systems.

Presenter:

Hayden Galler
Blended Learning Support Specialist
Blue Valley School District

Bring the World to Your Students! Virtual Reality Resources Are Plentiful!

Grade Level: K-12

Sessions 1 & 5

Engage students like never before with 360-degree images and videos in your classroom. We will discuss where to find free and low-cost resources and how to embed them into curriculum lessons (iPads, PC, Mac and Chromebook). 360 resources will promote wonder, empathy and curiosity in your students. VR headset use will be discussed, but the main focus will be browser/app-based resources that anyone could use tomorrow! *Most resources run best on the Chrome browser. Bring your device to learn as we discuss!

Presenter:

Jodi Johnston
Digital Learning Support Analyst
Blue Valley School District

Welcome to Maker City!

Grade Level: K-6

Session 1 & 4

Maker City is the latest endeavor by Operation Breakthrough to serve children in the Kansas City area. Find out what STEM opportunities we are currently providing to selected Kansas City Public Schools, and get some STEM ideas to use in your classrooms.

Presenters:

Cynthia Hackney
Jadwin Rowles
Kathy Ramirez

SCHEDULE LISTINGS

SESSION 1	SESSION 2	SESSION 3	SESSION 4	SESSION 5
Getting to Yes with Innovating Learning	Making It with Makey Makey	The Introverted Student: Using Technology to Unlock Their Voice	SHIFT HAPPENS: Developing Learner Success for the 22nd Century	Wait, Google Apps Can Do THAT?!?
Resilience – Wear Teflon, Not Velcro	Stream Free Video: Kanopy for Kids	Lights, Camera, Action (Teach and Reflect)	Making It with Makey Makey	KEVA Puts the STEAM in STEM
Augmented Reality	Wait, Google Apps Can Do THAT?!?	SHIFT HAPPENS: Developing Learner Success for the 22nd Century	Stream Free Video: Kanopy for Kids	True Colors – In Living Color!
Engineering in a Fun Way with Brix	Explore Engineering	The Entrepreneurial Mindset	Teaching & Learning Styles Workshop	Developing a Purpose-Driven Learning Environment
Bring the World to Your Students! Virtual Reality Resources Are Plentiful!	Youth Activism and Engagement: Preparing Students to Advocate for Change	KEVA Puts the STEAM in STEM	Augmented Reality	Canvas Levels of Learning – Blended Professional Learning
Welcome to Maker City!	A Look at PBS LearningMedia	Sink or Swim: A Real-World Engineering Challenge Designed by Engineers	Welcome to Maker City!	Bring the World to Your Students! Virtual Reality Resources Are Plentiful!