



2021 Virtual STEM/ STEAM Summit Session Schedule October 25-28, 2021

October 25th

We've Gotta Reach Em' to Teach Em'™ Helping Reach ALL Students!

4:00-5:30 PM

Presenter: [Dr. Adolph Brown](#)

Description: Learn and laugh with the outrageous motivation and highly-interactive education delivery of Dr. Adolph Brown as he takes all on a reflective and introspective journey of socio-emotional learning (SEL) of students and the well-being of adults. Doc demonstrates how SEL matters by showing how the connective capacity of good educators lead to student success and retention with field-tested strategies. This session is designed to greatly increase student achievement across ethnicity, gender, language, and SES. With music, motivation, and profound messages, this is a workshop that will inspire, ignite, and excite all who attend.

Audience: K-12 Educators and Leaders

October 26th

Introduction to Arts Integration through STEAM

3:30-5:00 PM

Presenter: [Alliance Theatre Institute](#)

Description: Have you wanted to explore habitats through statues and tableau? Facilitate a Town Hall to debate solutions to a real-world problem? This workshop will introduce teachers to best practices and strategies using arts integration. Arts integration is an approach to teaching in which students construct and demonstrate understanding through an art form. Students engage in a creative process which connects an art form and another subject area and meets evolving objectives in both. In this workshop, participants will learn strategies that can be implemented in the classroom the next day and can support their school's or classroom's STEAM goals.

Audience: K-12 Educators and Leaders

Engineering as Lens for Academics

3:30-4:00 PM

Presenter: Alecia Frizzell

Description: Engineering is in STEM/STEAM and using engineering as a lens to instruct academic areas is a must. In this session, we will go over engineering standards in the secondary level for Georgia and will discuss ideas on how to utilize the engineering design process in all you do. Whether you teach math, science, English, or history we will discuss ideas and projects that use engineering as a lens for teaching academic content. Example projects and student work will be discussed as well as a time to add more ideas.

Audience: 6-12 Educators and Leaders

STEM Notebooks

4:00-4:30 PM

Presenter: Terra McMillan

Description: Formatting? Grading? Implementing STEM notebooks can be a daunting task. Join this session to learn how Thomson Middle school integrates the STEM notebook across different disciplines.

Audience: 6-12 Educators and Leaders

Employability Skills: STEAM Real-World Application

4:30-5:00 PM

Presenter: Courtney Bryant

Description: Why do students attend school? How can we help prepare our students to be productive members of society? A STEAM curriculum helps! This work begins in Elementary school and proves to be important until our students graduate. Come to this session to learn the ways that STEAM in your school helps build our future workforce. Leave with practical suggestions for ways to incorporate employability skills and real-world awareness in the work you do with students every day.

Audience: K-12 Educators and Leaders

October 27th

Just What is STEAM?

4:00-4:30 PM

Presenter: Virginia McCollough

Description: Before an elementary educator can implement STEAM education in their classroom, they must first decide what STEAM education looks like in the classroom setting. This 30-minute session will explore the insights and personal conceptualizations of just what STEAM is to seven different elementary teachers currently practicing in a STEAM certified elementary school. This insight can help identify crucial aspects, effective strategies, and best practices to boost elementary educators' implementation of STEAM education in their classrooms.

Audience: K-5 Educators and Leaders

Visual Arts as an Entry to Secondary STEM

4:00-4:30 PM

Presenter: Courtney Bryant

Description: Have you ever had a student share with you that a subject is hard or that they just don't like it? How do we as educators combat this to provide a reset? You may have heard students say this about math or science--and it stings! In this session we will talk about ways the arts and technology can be a vehicle to drive a deep interest in STEM. Strategies and exemplars will be shared.

Audience: 6-12 Educators and Leaders

Community Partnerships in STEM

4:30-5:00 PM

Presenter: Terra McMillan

Description: In need of STEM professionals to help with your STEM program but not sure where to look? Come and learn how to leverage local businesses/organizations in your community to enhance your STEM program.

Audience: 6-12 Educators and Leaders

Power of Portfolios: Getting High School Students Involved in the Certification Process

5:00-5:30 PM

Presenter: Courtney Bryant

Description: At Drew Charter School asks all students in the Senior Academy from 9th-12th grades to create and maintain a portfolio of their work in STEAM and PBL. In this session, learn how this process helps students develop a voice and synthesize their own learning. Students also become more invested in the STEAM Certification process as a result. Sample portfolios will be shared as well as lessons learned.

Audience: 6-12 Educators and Leaders

STEAM can happen anywhere.....EVEN VIRTUALLY!

5:00-5:30 PM

Presenter: Natasha Smith

Description: With our education world forever changing, we do not want students to skip a beat when it comes to STEAM Education. There will always be students that are learning virtually. This could be a choice that parents make OR it could be forced based on making safe choices for students. So how can we still engage in STEAM virtually? This session will talk about ideas for engaging in STEAM virtual as well as providing resources (experiences, websites, etc) for attendees.

Audience: K-5 Educators and Leaders

October 28th

STEM/ STEAM High School Cohorts

3:30-4:00 PM

Presenter: Alecia Frizzell

Description: In this session, we will discuss the advantages of creating a cohort of students within STEM /STEAM program academies in the secondary level. We will discuss how to implement advisement processes, parent conferences, dual enrollment and/or AP level courses, as well as how to navigate the advising world including meeting Bridge Bill requirements. We will go over the ways to use tools such as YouScience to create differentiated material in the academic areas, as well as creating 4 year plans for students.

Audience: 6-12 Educators and Leaders

Finding Funding for STEM

4:00-4:30 PM

Presenter: Terra McMillan

Description: Have a great STEM idea but short on funds? In this session, participants will learn about various grants and STEM competitions that are providing schools thousands of dollars in FREE MONEY!

Audience: 6-12 Educators and Leaders

CTSOs as a Foundation for Project Based Learning Units

4:30-5:00 PM

Presenter: Alecia Frizzell

Description: CTSO organizations have multiple level academic competitions for students to participate. These competitions can be utilized as a stepping-stone for PBL unit ideas where academic content areas can be integrated and multiple teachers can help students create projects that can be used to compete at the local, state, and even national levels. In this session, we will go over different CTSO organizations students can join, discuss project ideas and competitions from each level, and show how you can integrate content areas into these competitive PBL projects.

Audience: 6-12 Educators and Leaders

Arts Integration: Engagement Beyond Enhancement

5:00-5:30 PM

Presenter: Amy Tinnell

Description: STEAM-Based Arts Enhancement... Arts Integration... What's the difference and how can I make the shift towards a more engaging, authentic arts experience for students in my classroom? After this 30-minute session, which will include real-world analogies AND standards aligned examples, participants will gain an understanding of the difference between enhancement and integration.

Audience: K-5 Educators and Leaders