

WA-ACTE Fall STEM 2022 Conference

Event Schedule

Thu, Nov 03, 2022

7:00 AM

REGISTRATION

🕒 7:00 AM - 8:30 AM, Nov 3

📍 LOBBY

[ALL Attend...](#)

7:30 AM

BREAKFAST

🕒 7:30 AM - 8:15 AM, Nov 3

📍 LOBBY - Chehalis A/B/C

[ALL Attend...](#)

Breakfast served in the LOBBY -

8:15 AM

WELCOME SESSION

🕒 8:15 AM - 8:30 AM, Nov 3

📍 Chehalis A/B/C

[ALL Attend...](#)

8:30 AM

KEYNOTE - Chris Nesmith

🕒 8:30 AM - 9:30 AM, Nov 3

📍 Chehalis A/B/C

[ALL Attend...](#)

KEYNOTE: Using the Best of What We Know Now for Learners of the Future

We are entering one of the most exciting times in education, a time when rules are proving the most flexibility we have ever had with the most comprehensive research on how students best learn. We will review the best in Career and Technical Education Research and the new and emerging policies around education today for ways we can build an immersive, standards aligned, and authentic learning environment for students.

🗣️ Speaker



Christopher Nesmith

Superintendent
Elma School District

9:45 AM

Coding in Minecraft – a Free Computer Science Credential and Curriculum Program

🕒 9:45 AM - 10:45 AM, Nov 3

📍 Chehalis B

[ALL Attendees](#) [STEM](#)

Are you looking to engage learners with a fun and immersive computer science curriculum while validating their coding skills? Come learn how you can use 'Coding in Minecraft' by Prodigy Learning to provide an immersive, easy-to-teach and standards-aligned computer science curriculum for FREE (to all Public Schools in Washington State). Join us in this session to learn how you can leverage Coding in Minecraft's CSTA-aligned curriculum and the familiar world of Minecraft: Education Edition to help their students learn how to code. Best of all you do not need to be a coding or Minecraft expert!

 Speaker



Peter Doherty
Product Specialist
Prodigy Learning

Financial Literacy for You and Your Classroom

🕒 9:45 AM - 10:45 AM, Nov 3

📍 Chehalis C

[ALL Attend...](#)

In this session together we will build our a personal Net Worth Statement. This snapshot of where each individual is financially will provide clarity on how your plan is developing. We will also work through FAQ's from different areas of your Net Worth Statement and deliver action items each attendee can take to bring into their own financial plan. We will also highlight how Money Vehicle translates these concepts into your classroom with a turnkey financial literacy curriculum.

 Speaker



Jedidiah Collins
Founder and President
Money Vehicle

The Diversity Gap: Why Is My Industry All People?

🕒 9:45 AM - 10:45 AM, Nov 3

📍 Chehalis F

[ALL Attend...](#)

We see it all the time: too many industries are locked into gender/racial/etc groups - which is a largely self-reinforcing trend. What causes it? How can we break it?

 Speaker



Jim Flatmo
Teacher
Sno-Isle Skills Center

Esports Production & Live Broadcast Workshop

🕒 9:45 AM - 10:45 AM, Nov 3

📍 Chehalis E

[ALL Attend...](#)

Overview of how to use cheap commodity hardware for live broadcast production. Learn how students can plan and execute an exciting Esports event in their school theatre or gymnasium. We'll cover the range of equipment needed including computers, LED walls, audio, video, lighting. See how computer science can be integrated to controlling the show with OBS automation.

 Speaker



Todd Conley
Executive Director
HighSchool.GG

CTE Director Prep

🕒 9:45 AM - 5:00 PM, Nov 3

Northwest A

Accepted Candidate...

Accepted Candidates Only

Speaker



Shani Watkins

Director
West Sound Skills Center

10:00 AM

SPONSORS / VENDORS---OPEN

10:00 AM - 5:00 PM, Nov 3

Northwest B /C

ALL Attendees

VENDOR

Vist with our Sponsors

COFFEE BAR will be OPEN in the Vendor Room

11:00 AM

Creating Presentations That Don't Suck

11:00 AM - 12:00 PM, Nov 3

Fallen Timbers

ALL Attendees

STEM

Scott's presentation guru, Garr Reynolds, stated it best at his site, presentationzen.com: "We are a storytelling animal. We are not a bullet-point-memorizing animal. We are wired to be attracted to story and to learn from them and to spread them." "The best stories infuse wonder," says Pixar's Andrew Stanton. Come learn how to tell better stories, engage and not enrage your students.

Speaker



Scott Le Duc

OLYMPIA SD

Learn Python Coding with Robots

11:00 AM - 12:00 PM, Nov 3

Chehalis C

ALL Attendees

STEM

How I am using Firia Labs Codebot and BrickPi to teach Python programming in my middle school and high school computer science and robotics classes.

Speaker



Dennis Tauscher

WINLOCK SD

Dust Off Your CNC Router: Ways to Engage Your Students and Teach Them Skills

11:00 AM - 12:00 PM, Nov 3

Chehalis B

ALL Attendees

STEM

As educators, engaging students is important and can be difficult at times. How do you get students to engage in the learning process and effectively teach real world skills that students need to be successful? I would like to share with you what I have learned through teaching students how to use a CNC router. Come and begin thinking about how you can engage students in more powerful ways.

🗣️ **Speaker**



Geoff Anderson

Grading Like a Game Designer

🕒 11:00 AM - 12:00 PM, Nov 3

📍 Chehalis F

ALL Attend...

We know grading systems aren't working - and there's a lot of inequity in 'standard practice'. How can we re-evaluate grading to make it more meaningful, comprehensive, and a more accurate measurement of student learning and success?

🗣️ **Speaker**



Jim Flatmo

Teacher
Sno-Isle Skills Center

12:15 PM

LUNCHEON

🕒 12:15 PM - 1:15 PM, Nov 3

📍 Chehalis A/B/C

ALL Attend...

LUNCHEON - Served in LOBBY - Seating in Chehalis A/B/C

1:30 PM

The Metaverse Has Arrived

🕒 1:30 PM - 2:30 PM, Nov 3

📍 Chehalis E

ALL Attendees

STEM

In this session, I will be highlighting information about what students should know about their digital footprint, digital citizenship and also boundaries they should be aware of within the cyber space including the metaverse. I'll also share what resources are available when it comes to career exploration within STEM and how to utilize these resource to maximize the benefits.

🗣️ **Speakers**



Wyjuana Montgomery, MAOM

District Director--- OK, CO, UT, WA, OR
EVERFI, INC



Monica Wyatt

Implementation Specialist
EVERFI

How to Redevelop Relationships With Kids (but not in a weird way)

🕒 1:30 PM - 2:30 PM, Nov 3

📍 Fallen Timbers

ALL Attend...

We all know relationships are the foundation of effective learning in the classroom, but in our post-quarantine world, teachers in all types of educational environments seem to agree that something seems to have shifted. Join a few peers who teach in a variety of classroom environments who are finding ways to build relationships with students that bridge the quarantine gap. Brace yourselves. Some ideas are quirky, some ideas are easy, and some involve a little bit of technology, but we can all stretch a little to reach those kids who need something more to achieve in this new normal.

Speakers



Megan Morgan

KENT SD



Bud Bannon

Kent SD



Michael Transier

Kent School District

K - 12 STEM Career Pathways Programs by LJ Create

🕒 1:30 PM - 2:30 PM, Nov 3

📍 Chehalis B

ALL Attendees

STEM

VENDOR

Learn how you can give students the opportunity to explore and investigate STEM and Industry 4.0 Careers and Technologies in a hybrid/hands on delivery platform.

Speaker



Tom Diehl

NW Regional Manager
Klein Educational Systems

PQ : Professional Quotient

🕒 1:30 PM - 2:30 PM, Nov 3

📍 Chehalis F

ALL Attend...

Our education system focuses a lot on "what students should know", a bit less on "what students should be able to do" and virtually not at all on "who students should be" - when every job resource available says we need to embed more "soft skills" into everything we do. But how do we measure soft skills and employability? Enter the Professional Quotient.

Speaker



Jim Flatmo

Teacher
Sno-Isle Skills Center

The Construction Management Game

🕒 1:30 PM - 2:30 PM, Nov 3

📍 Chehalis C

ALL Attend...

Take a break from passive learning and join us for a fast-paced interactive game that will help you understand what makes Core Plus Construction different from your typical woodshop class content. Come prepared to join a small group and actively work through the planning of a construction project while learning about time schedules, material selection, construction styles, budgeting and helping your clients make informed choices. This activity is infinitely scalable and suitable for a use in a variety of programs of study not just construction.

 Speaker



Sarah Patterson

Workforce Development Director
Associated General Contractors Education Foundation

2:45 PM

Meeting College Math Proficiency for CTE Students: A Corequisite Model

🕒 2:45 PM - 3:45 PM, Nov 3

📍 Chehalis B

ALL Attend...

In 2019 Columbia Basin College (CBC) received a grant to redesign math pathways for students in Welding, Automotive, and Machining (WAM) programs. A corequisite model now allows WAM students to enroll in their 100-level math class, with no remedial math courses required. Corequisite instruction was integrated with Adult Basic Education, allowing us to take advantage of the I-BEST model. The percentage of students earning their college-level math requirement in their first year increased from 3% to 30%.

 Speaker



Ryan Orr

Associate Professor Of Mathematics
Columbia Basin College

Computer Science a Journey Through K12 and Across Content Areas

🕒 2:45 PM - 3:45 PM, Nov 3

📍 Fallen Timbers

ALL Attendees

STEM

Review of the needs and solutions to have Computer Science across all grade bands and content areas.

 Speaker



Keith Peck ☐☐ (He/Him)

RENTON SD

Job Hazard Analysis, You Need to Be Using This Tool in Your Classroom!

🕒 2:45 PM - 3:45 PM, Nov 3

📍 Chehalis C

ALL Attend...

Job Hazard Analysis and/or Job Safety Analysis forms have long been utilized in a variety of industries as part of standard pre-task planning and for good reason, they are an excellent tool for preventing work-related injury and illness. In this session we will look beyond the obvious use of JHAs in the CTE classroom and discover their power as a formative assessment, a critical thinking exercise, a group work planning tool and more.

 Speaker



Sarah Patterson

Workforce Development Director
Associated General Contractors Education Foundation

AWS Skills Centers

🕒 2:45 PM - 3:45 PM, Nov 3

📍 Chehalis E

ALL Attendees

STEM

AWS Skills Center Seattle is a free training center for anyone curious about cloud computing and future job possibilities in the cloud. The center provides free in-person classes and experiences designed to help people with little or no technology background master basic computing and cloud fundamentals, and start a learning journey that can lead to career opportunities in the cloud.

🗣️ Speaker



Maria Petrova

AWS Skills Center Lead
AWS

Expanding Your Party: Advisory Committees

🕒 2:45 PM - 3:45 PM, Nov 3

📍 Chehalis F

ALL Attend...

As a gamer, I'd never go into an MMO battle without my Tank and Healer - but far too often CTE teachers go at it alone instead of bringing the most powerful backup we have: Advisory Committees. Learn how to build a strong, functional Advisory Committee that's about more than "checking the box on the required three meetings per year".

🗣️ Speaker



Jim Flatmo

Teacher
Sno-Isle Skills Center

4:00 PM

What's New at iCEV

🕒 4:00 PM - 5:00 PM, Nov 3

📍 Chehalis E

ALL Attendees

STEM

VENDOR

Automotive, Cosmetology, Drones Oh My! iCEV is continually updating the online platform stay up to date with today's educational needs. We offer prebuilt, fully customizable courses complete with media-rich lessons and supporting coursework for 16 career cluster areas. Featuring instructional content, interactive coursework and industry certifications, iCEV provides educators with the resources, tools, strategies and customer service needed to create a meaningful learning experience. Join this session to hear how iCEV can take your CTE program to the next level.

🗣️ Speaker



Dennis Wallace

CTE Curriculum Consultant
iCEV

Promoting Gender Equity in CTE Classes with IGNITE Worldwide

🕒 4:00 PM - 5:00 PM, Nov 3

📍 Chehalis B

ALL Attendees

STEM

For 25 years, IGNITE Worldwide has supported gender diversity in CTE courses and STEM pathways. Learn how to implement the IGNITE program free of cost in your district to give girls, nonbinary, agender, transgender, and genderqueer students virtual or in-person work-based learning opportunities that inspire further STEM engagement, including panel discussions, company field trips, and hands-on workshops. IGNITE connects students with diverse STEM professionals who help students envision themselves in STEM. After a school participates in IGNITE, gender diversity in CTE classes increases!

 Speaker



Lauren Johnson

Program Director
IGNITE Worldwide

What's Core Plus Construction Got to do with Career Choices?

🕒 4:00 PM - 5:00 PM, Nov 3

📍 Chehalis C

[ALL Attend...](#)

Does your district offer a career choices class? Are you a career counselor or WBL coordinator? You may look at Core Plus Construction as just a construction and building trades program of study, but it has much more to offer. The construction industry employs professionals from every major career pathway; accountants, drone operators, marketing, attorneys, mechanics, graphic design, health and safety, environmental science, the list goes on and on. Join us to learn more about how Core Plus Construction can help you help students explore career options.

 Speaker



Sarah Patterson

Workforce Development Director
Associated General Contractors Education Foundation

Exploring Game Development

🕒 4:00 PM - 5:00 PM, Nov 3

📍 Chehalis F

[ALL Attendees](#)

[STEM](#)

In this roundtable we'll discuss curriculum, projects, leadership opportunities and best practice for running a Game Development program

 Speaker



Jim Flatmo

Teacher
Sno-Isle Skills Center

Fri, Nov 04, 2022

7:30 AM

BREAKFAST

🕒 7:30 AM - 8:30 AM, Nov 4

📍 LOBBY - Chehalis A/B/C

[ALL Attend...](#)

8:30 AM

CTE Best Practices - Speed Dating Style

🕒 8:30 AM - 9:30 AM, Nov 4

📍 Chehalis A/B/C

[ALL Attend...](#)

CTE Best Practices - Speed Dating Style! Come visit our amazing best practices presenters and spend a quick 10 minutes getting to know how they do what they do. In 50 minutes you can walk away with 5 new ideas to use in your classroom.

🔊 Speaker



Nora Zollweg
WEST SOUND TECH SC

6 Subsessions

● **Best Practices: Custom Robots for \$20**

🕒 8:30 AM - 9:30 AM, Nov 4
📍 Chehalis A/B/C

● **Best Practices - Email Filters**

🕒 8:30 AM - 9:30 AM, Nov 4
📍 Chehalis A/B/C

● **WSL Documents**

🕒 8:30 AM - 9:30 AM, Nov 4
📍 Chehalis A/B/C

● **Doing One Thing at a Time**

🕒 8:30 AM - 9:30 AM, Nov 4
📍 Chehalis A/B/C

● **How is Your District Handling Changes with Programs Having Open Source Access**

🕒 8:30 AM - 9:30 AM, Nov 4
📍 Chehalis A/B/C

● **What is beyond the 31% - 69% from our opening speaker**

🕒 8:30 AM - 9:30 AM, Nov 4
📍 Chehalis A/B/C

CTE Director Prep COPY

🕒 8:30 AM - 12:00 PM, Nov 4
📍 Northwest A

Accepted Candidate...

Accepted Candidates Only

🔊 Speaker



Shani Watkins
Director
West Sound Skills Center

9:30 AM

SPONSORS / VENDOR---OPEN

🕒 9:30 AM - 12:00 PM, Nov 4
📍 Northwest B /C

ALL Attendees VENDOR

Vist with our Sponsors

COFFEE BAR will be OPEN in the Vendor Room

9:45 AM

FREE Microsoft Certification for Students and Staff!

🕒 9:45 AM - 10:45 AM, Nov 4
📍 Chehalis C

ALL Attendees VENDOR

Join us to learn about how your students and staff can earn FREE Microsoft certification in the classroom!

 **Speaker**



Kathy Schmit
Former Teacher
CCI Learning

Framing Failure to Facilitate Future Fruition

🕒 9:45 AM - 10:45 AM, Nov 4

📍 Chehalis F

ALL Attendees

STEM

We're observing a remarkable decrease in student resiliency - which has a cascade effect on future learning, college success and ultimately workplace/life success. How can we rebuild this critical foundational ability? In this session we'll learn how to turn the table and create a Culture of Failure in your classroom.

 **Speaker**



Jim Flatmo
Teacher
Sno-Isle Skills Center

Lab Safety in the CTE World

🕒 9:45 AM - 12:00 PM, Nov 4

📍 Fallen Timbers

ALL Attend...

Let's talk SAFETY!!! I know that Safety in your Lab can be overwhelming but, in this session, you will walk away with access to enough safety documentation to hopefully put your mind at ease and allow your students to perform at a secure level in your lab. We will talk about everything from monthly tool safety checks to student safety tests and records to even shop layout. Come on, let's talk shop... safety.

 **Speaker**



Marcus Sullivan
Olympic Middle School

Creating Advisory Committees & CTSOs That Work

🕒 9:45 AM - 10:45 AM, Nov 4

📍 Chehalis B

ALL Attendees

STEM

One of the biggest challenges faced by CTE instructors across the state is creating effective advisory committees and career & technical student organizations (CTSO) for each CTE program offered at the school. Frame Your Future is a new organization making it easier for Spokane schools to do both by bringing willing volunteers with industry expertise to the classroom and by facilitating student projects. Join us with our partnering organizations as we dive into issues surrounding program funding, student recruitment, and employer engagement and discuss solutions that can work for your school.

 **Speaker**



Brian Burrow, PMP
CEO
Really Clean Energy

Cars, Canines, and Cadavers, Oh My! - The New Reality of Workforce

🕒 9:45 AM - 10:45 AM, Nov 4

📍 Chehalis E

ALL Attendees

STEM

Discover how districts across the northwest have taken their CTE programs and labs both in-person and virtual through creative approaches that include augmented and virtual reality. Discover how students are exploring career pathways and preparing for industry credentials in Health Science, Advanced Manufacturing, Agri-Science, and Transportation pathways through various models of blended learning.

🗣️ Speaker



Nikki Lester

Executive Director of Career and Technical Education
zSpace, Inc.

11:00 AM

Immerse Your Students in Coding with 'Coding in Minecraft'

🕒 11:00 AM - 12:00 PM, Nov 4

📍 Chehalis C

ALL Attendees

STEM

Are you looking for an engaging and immersive curriculum to teach your students to code? Have you always wanted to utilize game-based learning but didn't feel you had enough gaming experience? With 'Coding in Minecraft' by Prodigy Learning, you don't have to be a gaming or coding expert! In this session you will learn how 'Coding in Minecraft' creates a student-led, highly engaging learning experience where the teacher becomes the facilitator, and the students lead their own learning to learn how to code in JavaScript or Python. And it is all FREE for Washington Public School teachers!

🗣️ Speaker



Peter Doherty

Product Specialist
Prodigy Learning

From SuperShy to SuperStar

🕒 11:00 AM - 12:00 PM, Nov 4

📍 Chehalis F

ALL Attend...

The old adage is that people would rather die than speak in public. The adage isn't true, but what is true is that often times students would rather fail a major assignment than have to stand up in front of the room. How can we turn students' fear into confidence?

🗣️ Speaker



Jim Flatmo

Teacher
Sno-Isle Skills Center

Explore Design Create

🕒 11:00 AM - 12:00 PM, Nov 4

📍 Chehalis E

ALL Attendees

STEM

Engineering challenges allow students to explore all aspects of STEM while trying to optimize their solution to a problem. While many engineering challenges are expensive, they don't have to be. We will explore three challenges used in our Middle School Tech Ed class, Explore Design Create, to see how open-ended projects allow students to explore ideas that interest them without costing a fortune.

🗣️ Speaker



T. Woody Sobey
RENTON SD

CANCELLED - Jobs 253, the Evolution of Work-Based Learning

🕒 11:00 AM - 12:00 PM, Nov 4

[ALL Attend...](#)

SESSION CANCELLED:

A historic partnership with the City of Tacoma for paid, work experience that awards stipends of up to \$1,000 and a 0.5 high school credit. This includes summer certification programs, paid community service, paid internships, and student-designed exploratory paid work experiences.

OK...HOW DO WE CHANGE THE SYSTEM?

🕒 11:00 AM - 12:00 PM, Nov 4

📍 Chehalis B

[ALL Attend...](#)

Join us in learning how to engage in developing policy that benefits education and CTE. With all that is happening in the world of CTE and workforce development it is important for everyone to understand the process and how to engage in meaningful ways.

🗣️ Speakers



Tim Knue
Executive Director
WA-ACTE



Jesse Taylor
Government Relations/Lobbyist
Washington ACTE

12:00 PM

Evaluation

🕒 12:00 PM - 12:00 PM, Nov 4

[ALL Attend...](#)

Must be completed by November 28 to receive clock hour form.

<https://www.surveymonkey.com/r/WaFallSTEM22Eval>

[Clock Hour Process](#)