

BREAK OUT SESSIONS

NDCEL Virtual Fall Conference
Oct. 22-23, 2020

- | | |
|--------------------------------|-------------------------------|
| ● Administrators | ● Special Education Personnel |
| ● Teachers | ● After School (21st Century) |
| ● Counselors/Social Workers | ● CSI/TSI Schools |
| ● Title 1 Personnel | ● Instructional Coaches |
| ● Career & Technical Education | ● English Language |

In No Particular Order

1. The Flexibility of the Hyflex Learning Model ● ● ● ● ● ●

Brenda Tufte, Education Professor at the University of Mary

What is hyflex learning and what are the advantages and disadvantages of his hybrid model? This presentation will answer these questions and review how the hyflex model can be adapted to meet the needs of students and educators. There will also be an opportunity to ask questions, share ideas, and discuss needed hardware, software, and recommended training.

Innovation, Distance Learning, Instructional Strategies

2. Integrating Entrepreneurship and Solving Community Problems ● ● ●

Scott Meyer, Director at NDSU

Entrepreneurship is an essential skill that can, and should be taught. In this session, learn to integrate entrepreneurship into the classroom with high-energy projects that help students do entrepreneurship. Additionally, see how students can find and solve local problems in their community with the Nice Idea program hosted by NDSU.

Innovation, Open Educational Resources (OER), STEAM/STEM, School/Community Relations



- Administrators
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3. Addressing School Culture and Climate through Circles of Trust and the NDNAEU



Scott Simpson, Learning Specialist at Technology and Innovation in Education

The NDNAEU provide a great opportunity for schools to improve their climate and culture for Native students. They also provide a great opportunity to improve climate and culture for all students, teachers and staff. Occasionally misunderstanding and "push-back" from non-Native students and community members reveals the challenges of presenting the NDNAEU in the best way. We will take a look at the Circle of Trust approach that can be used with students in classrooms, with teachers in trainings or with community members wanting to know more about the NDNAEU. This approach ensures that all individuals are welcomed into the discussion, and welcomed to bring their whole selves to the learning of the community, whether Native or non-Native.

Innovation, Inclusion, Instructional Strategies, Culture/Climate

4. Supporting Students with Disabilities in the Age of COVID-19 ● ●

Jessica McQueston, Lecturer at NDSU

COVID-19 has impacted K-12 education for all students, but students with disabilities especially have faced inequities over the last few months. This session will discuss the federal guidance on special education and remote learning, practical strategies for students with various levels of support needs, and other issues to consider.

Innovation, Special Education, Instructional Strategies, Engagement (Engagement strategies, surveys, accreditation, etc.)



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5. Embedding Literacy into the Social Studies Curriculum: Guided Highlighted Reading ●

Dr. Abigail Bremer, Assistant Professor at Valley City State

In an era where critical reading skills have become more important than ever, students need opportunities to engage in stimulating reading experiences. Critical reading asks us to interpret both what lies within and outside of the text. This webinar will offer specific strategies for 4th through 12th grade students to think metacognitively about their literacy skills by engaging in the practice of guided highlighted reading.

Literacy (English), Instructional Strategies

6. Opening the Door to Online Learning: Tips and Strategies for Online and Blended Instruction



Sarah Crary, Andrea Huseth-Zosel, Erika Beseler Thompson, Education Leadership at NDSU

In this session, we will discuss strategies for online and blended K-12 classrooms to help more fully engage students, especially those on the margins. We will share an emerging set of course design principles, based on a recent study of online student experiences, to more equitably engage all students. The session will also include an open discussion to share ideas and invite ongoing dialogue.

Online/Blended Instruction, Instructional Strategies

7. STEM Education in Special Education ● ● ● ● ● ●

Courtney Shuley, Northeast Education Services Cooperative

This session will provide resources, ideas, and tools for STEM Education to be used effectively in the Special Education classroom setting.

STEAM/STEM,

8. Establishing Meaningful Connections in a Remote/Hybrid Learning Environment

Dr. Deborah Secord, Associate Professor at Dickinson State University - NDACTE & Pamela Krueger

Innovation, Personalized Learning, Instructional Strategies, Engagement (Engagement strategies, surveys, accreditation, etc.)



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9. Streamlining Accommodations and Modifications for Special Education Students

Cortney Shuley & Derryn Johnson, NESC

This session is designed for general education teachers to streamline the process of providing accommodations and modifications for students in special education. We will provide tips, tricks, and advice for teachers to better serve their students in special ed.

STEM, Instructional Strategies

10. Lessons Learned in Systemic SEL Implementation Through Community of Practice Engagement



Keely Ihry, Lyndsi Engstrom, Melissa Stanley, & Lisa Klabunde, South East Education Cooperative

Rooted in continuous improvement, the recently launched ND SEL Network is designed to assist school districts in advancing the implementation of systemic SEL through customized planning, tiered technical assistance, resource review and generation . Engage in an interactive discussion with ND school districts committed to sharing their learning journey about how intentional collaboration coupled with intensive external supports allowed for expansion, extension and innovation of their district's MTSS framework.

Participant Outcomes: Explore the purpose and goals of North Dakota's innovative SEL Network; Learn how the scope and sequence of the ND SEL Network supports districts through customized planning and tiered technical assistance; Understand the Logic Model created to measure the intended impact and outcomes of the ND SEL Network; Examine the learning journey and lessons learned from committed school districts participating in the ND SEL Network; Analyze how this model of advancing systemic SEL implementation could be brought back to your district.

Innovation, Continuous Improvement, Leadership, Social Emotional Learning/Behavioral Health, MTSS, Continuous Improvement



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11. Appreciative Inquiry Model - A Positive Approach to School Improvement

Jeff Lind, Associate Professor from the University of Mary

In today's challenging environment that educators find themselves it is understandable that we tend to focus on the problems that face our schools and programs and how to fix them. This presentation will provide an overview of how an Appreciative Inquiry (AI) approach can positively drive school and program improvement efforts in schools. It will present AI as an alternative to the traditional SWOT analysis and problem focused methods often used to drive organizational change and how building upon strengths, as opposed to focusing on problems, can have a greater impact on efforts to improve.

Culture/Climate, Engagement, MTSS, Culture/Climate, Engagement (Engagement strategies, surveys, accreditation, etc.)

12. Virtual Learning Tips & Tricks

Ben Nelson Information, Tyler Ward, Technology Specialists, NDI - EduTech

Did you feel like a fish out of water this spring? Come learn best practices for virtual learning and share your own experiences. We will discuss what works (and what doesn't) and also spend some time talking about how to incorporate virtual learning into your in-person classroom.

Innovation, Personalized Learning, Distance Education/Virtual Learning, Instructional Strategies, MTSS

13. Reading in a Digital Environment

Jill Baird, Kelly Rexine, Information Technology Specialists, NDI - EduTech

Reading in a digital environment instead of physical is different for all readers and sometimes harder. We will break down some tools and techniques you can use with your students to help them succeed in transitioning to a digital environment.

Innovation, Literacy (English and/or Math), Update on Funding Formula



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14. Using Minecraft Education Edition in the Classroom ● ●

Steve Deziel, Kelly Rexine, Information Technology Specialists, EduTech

Come learn how to obtain and license Minecraft, for FREE for your staff and students, and how to use Minecraft in the classroom to help students unlock their creative potential. Explore other free resources and tools that will take learning and student engagement to a new level.

Innovation, STEAM/STEM

15. Microsoft Learning Tools ● ● ● ● ●

Jason Mattheis, Information Technology Specialist, NDIT - Edutech

Explore the learning tools built into Microsoft Office 365 applications that are available to benefit special education students. The learning tools include accessibility features that help learners to improve their literacy skills, including reading comprehension and fluency. The built-in tools can help by showing syllables or parts of speech, narrowing line focus, translating words, or even reading documents to students. There are also tools that allow users to turn speech to text, subtitles for PowerPoint, and math tools in OneNote.

Literacy (English and/or Math), Instructional Strategies

16. The Science of Reading ● ● ● ●

Jolene Garty, Kerri Whipple, Erica Kindem, South East Education Cooperative

Most educational research takes 17 years to get to classroom practice. This session covers the major research components behind structured literacy so teachers can analyze current practices and how to align with the science of reading.

Literacy (English and/or Math), Instructional Strategies, MTSS

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17. Personalized Competency-Based Learning - Oakes Public Schools's journey to PCBL



Kraig Steinhoff, Superintendent of Oakes Public Schools, Anna Sell Elementary Principal, Brandon Bata, JH/HS Principal, Greg Dobitz Personalized Learning Coach, Leslie Dethlefsen, Teacher

K-12 schools have looked nearly the same for decades, and "a growing number of teachers and leaders recognize that the one-size-fits-all industrial model of teaching and learning has not met the needs of their students." (Colby, 2017, p.ix). A need to transform our schools and prepare our students for tomorrow's world is evident. This session will provide you an overview of the transitions Oakes Public Schools have endured from a practitioner's perspective. Oakes is on year three of the journey, and it has been a total team effort to get to this point. This presentation will include thoughts, experiences, and suggestions from both teachers and administrators. We look forward to sharing our ups and downs to help you to embark on a journey of personalized competency-based learning for your students!

Personalized Learning

18. Premier MTSS Tier I Supports - Health and Physical Education

Jenny Linker, Teacher Preparation Faculty at NDSU

Is your school capitalizing upon existing curriculum to support social emotional learning? The NDMTSS Social Emotional Learning Goals are highly-aligned with ND's Health and Physical Education Standards. This session will highlight these cross-curricular alignments, define high-quality health and physical education, propose strategies for bolstering current instructional practices, and present new opportunities.

Instructional Strategies, MTSS, Culture/Climate, Social Emotional Learning/Behavioral Health

19. Whole Child Approaches: Active Classrooms

Jenny Linker, Kristen Ford, Teacher Preparation Faculty at NDSU

Movement in the classroom promotes efficiency of learning and minimizes off-task behaviors while simultaneously benefitting students' health and well-being. This whole child approach provides numerous opportunities for content and SEL integration while activating multiple learning centers within the brain. This session will provide the rationale for classroom physical activity, demonstrations of content and SEL incorporation, and several resources. Join us for a fun and "engaging" session!

Instructional Strategies, MTSS, Culture/Climates



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20. Integrating Entrepreneurship - Nice Idea

Kodee Furst, Scott Meyer, Programs Managers from The Nice Center at NDSU

Launched in the fall of 2020, Nice Idea is a free entrepreneurship program used by 1,000+ North Dakota middle and high school students. It is created and hosted by North Dakota State University. In the program, students: +Learn to be creative and entrepreneurial +Connect with mentors and actual problems that need solving in their community +Showcase their ideas and win support to make those ideas a reality. Participants in this session will learn more about Nice Idea and explore how entrepreneurial mindset can benefit their students.

Innovation, Open Educational Resources (OER), STEAM/STEM, School/Community Relations

21. Fostering the Development of Career Ready Secondary Students

Brooke Thiel, Assistant Professor of Agricultural Education at NDSU, Adam Marx

Preparing graduates to be choice ready includes ensuring students are career-ready when they graduate from high school. How does career readiness differ from college readiness? How do we teach or foster the development of career readiness among our students? What role does (or should) schools play in the development of career readiness? This program will share relevant research findings, data-driven recommendations, and engage participants in discussion about the challenges schools face in adopting policies related to career readiness.

Choice Ready



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22. STEAMsational- ND PD

Tyler Ward, Jason Mattheis, Ben Nelson, Informational Technology Specialists at NDIT - EduTech

From robotics and coding to hacking contests and cyber sleuthing, North Dakota has a STEAMsational ecosystem designed to spark curiosity in students of all ages. NDIT-EduTech is here to help educators bring to life opportunities for your students, while exploring the ND Computer Science and Cybersecurity (CCS) standards. You don't need to know how to code to inspire a love of lifelong learning in your students! NDIT-EduTech's partnerships with Code.org, CYBER.ORG, Microsoft, Microsoft Tech Spark and others provide grant monies to train teachers, allowing for both in-person and virtual learning throughout the year. These opportunities provide the training required to qualify for the new CCS Credential -- allowing educators to teach computer science and cybersecurity courses. Join us to learn more about cross-curricular resources and activities, tailored for elementary, middle and high school – in the classroom or at home!

Innovation, Instructional Strategies, STEAM/STEM

23. Operationalizing Priority Standards in the Classroom

Derryn Johnson, Professional Learning Specialist at Northeast Education Services Cooperative

All educators have standards, but how can we use them to our advantage rather than seeing them as hoops to jump through or boxes to check? The answer lies in prioritizing standards. This session will include a brief introduction to prioritized standards, with the driving focus on practical strategies for using standards to make high quality instructional decisions.

Standards Based Grading, Choice Ready, Priority Standards, Instructional Strategies



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24. The Keys to Success in State STEM Ecosystems

Jeff Weld, Executive Director of Iowa Governors STEM Advisory Council

State-level STEM organizations have come and gone. Some have transformed education systems while others have withered away. Yet more have struggled to get off the ground. As director of one of America’s most successful statewide STEM ecosystems and lead architect of the Federal STEM Strategic Plan, I’ve learned many lessons along the way, some from experience, others from networking with colleagues who lead state and regional STEM ecosystems that fit one of those three descriptions –

transformative, withered, or sputtering to take off. Common themes weave together those that thrive, and common pitfalls permeate those that fall short. I’ll share the key ones.

Innovation, Personalized Learning, Instructional Strategies, Regulations/Policies (Accreditation, School Approval, Days to Hours, etc.), Culture/Climate, Engagement (Engagement Strategies, Surveys, Accreditation, etc.), School/Community Relations, STEAM/STEM, Leadership

25. Connecting the Strings

Rebecca Engelman, Arts in Education Director, ND Council on the Arts, Rissa Williams, EL Instructional Aide from Wachter Middle School - Bismarck ND

Many teachers shy away from including music in their classrooms because they presume they need musical training to use it as an effective teaching tool. However, there are multiple ways to implement music in the classroom that don’t require any training. All you need is a positive attitude and a willingness to learn along with your students! In this presentation Rissa Williams demonstrates how she uses music in her EL classroom, specifically the ukulele, to engage students, build community, nurture personal connections and improve student learning across the curriculum. Join in and learn more about this fun and active approach to teaching and learning.

Innovation, Open Educational Resources (OER), Literacy (English and/or Math), Instructional Strategies, Engagement (Engagement Strategies, Surveys, Accreditation, etc.), Culture/Climate, School/Community Relations, Social Emotional Learning/Behavioral Health

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26. The Five Love Languages

Jon Dryburgh, Hillsboro Elementary School

Will go through information on the book "The Five Love Languages" and be geared for adults to help improve their own relationships so they can be better able to encourage students.

Culture/Climate, Leadership, Social Emotional Learning/Behavioral Health, Leadership

27. Educator Ethics: Different Roles, Same Focus

Becky Pitkin, Executive Director of Education Standards and Practices Board

This session presents the Model Code Of Educator Ethics and its uses in promoting the professionalism of educators in all areas. Sessions will be geared for teachers, administrators, and support staff. Each session will examine relevant scenarios, reinforcing the many "grey" areas of the education profession in an effort to increase better decision making and a deeper understanding of educator responsibilities to the profession students, parents, the community, and the use of technology.

28. Next Step

Carly Retterath, Administrator, Mandan Public Schools, Kathryn Doll

The Next Step program is a collaborative program between Mandan Public Schools and the Division of Juvenile Services to provide wrap around community based services for students struggling to be successful in the traditional school setting or students that are transitioning out of a more restrictive placement back into school. This session will focus on how Next Step came to be, the services provided to students in the program, the community partnerships that have built the program, and future plans to expand programming.

Innovation, School/Community Relations, Culture/Climate, Leadership



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29. Keep Your Eye On The Ball

Dr. Lucia Shelley, Teacher at Mandan Public Schools

Are you aiming for a home run or a bunt in the classroom? Helpful instructional practices for EL students that work for everybody.

Instructional Strategies, MTSS, Culture/Climate

30. Camera... Lights... ACTION! Engaging English Language Learners Through the Creative Process.



Lucia Shelley, Teacher at Mandan Public Schools

I developed a high quality, authentic project where I integrated several areas of the curriculum, Theater, English, Language Arts, and Digital Media. It benefited the EL students (socially, as well as having higher ACCESS scores), as well as the community as a whole.

STEAM/STEM

31. What do those SET codes mean?

Michelle Woodcock, ND Dept. of Public Instruction

Every year school districts complete the Suspension, Expulsion, and Truancy Report. Do you truly know what code to use and when? If you don't, this session will help you better understand what the discipline codes mean and how you may use this data to plan for the future.

Innovation, Personalized Learning, School/Community Relations, Leadership

32. Section 504, You Decide

Michelle Woodcock, ND Dept. of Public Instruction

Do you know enough about Section 504 to serve as a hearing officer? Given several real life scenarios, can you determine if the school district acted appropriately? Using these scenarios we will review what schools need to know about Section 504 regulations and compliance.

Regulations/Policies (Accreditation, School Approval, Days to Hours, etc.)



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33. Dropping Out is a Process, Not an Event



Mark Ehrmantraut, Lea Kugel, Michelle Woodcock, ND Dept. of Public Instruction

The act of dropping out of high school is not a one time event. The process of dropping out takes place over the course of months, and often years. The dropout prevention research is clear. There are 15+ Effective Strategies for Dropout Prevention. This session will focus on these 15+ strategies schools can take to support students staying on, or returning to, graduation pathways.

Personalized Learning, Choice Ready, Leadership, Social Emotional Learning/Behavioral Health, School/Community Relations, MTSS, Culture/Climate

34. Special Education Dispute Resolution Process in ND



Mark Ehrmantraut, Special Education Regional Coordinator, ND Dept. of Public Instruction

There are formal special education dispute resolution processes that can be used when special education disputes move beyond the local school district. The four options available in ND will be overviewed. The four processes that will be overviewed include: IEP Facilitation, Mediation, Written State Complaints, and Due Process Complaints.

Regulations/Policies (Accreditation, School Approval, Days to Hours, etc.), School/Community Relations, Leadership

35. School Counseling in a virtual setting



Jocelyn Kolle, Guidance Counselor at NDCDE

School Counselors will learn how the ND Center for Distance Education uses Teams to share information and connect with students. Counselors will also have the opportunity to participate in a Q/A session regarding providing counseling services in a virtual and/or blended setting.

Social Emotional Learning/Behavioral Health



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36. Leading an Organization from Tristan de Cunha ● ● ●

Matthew Lonn, Director/Superintendent, North Dakota's Center for Distance Learning

A strong organizational culture that emphasizes collaboration and learning is essential. As educational environments are increasing opportunities for both teachers and students to learn and work together from a distance, how do you effectively lead and manage 21st Century educational organizations so collaboration and social engagement can still occur among staff members? Learn about how ND Center for Distance Education has leveraged Microsoft Teams to build an organizational culture among 60 plus staff members remotely that emphasize teamwork and problem-solving.

Innovation, Culture/Climate, Engagement (Engagement Strategies, Surveys, Accreditation, etc.), Leadership

37. Funding Formula Update ●

Brandt Dick, Superintendent, Underwood School District

An update of the funding formula with discussions about revenue for upcoming legislative session.

Update On Funding Formula

38. Trust in the Relationships of School Leaders ●

Dr. Justin Benna, Assistant Professor of Practice, NDSU

Trust between and among school stakeholders is essential to successfully coordinate all the complex tasks required for to meet intended outcomes for students. While teachers' trust in principals is the most commonly studied trust relationship in schools, left largely explored in the research base is trust in the relationships between leaders in the broader context of a school system. In this session, participants will have an opportunity to reflect upon the role and nature of trust in their professional relationships and consider ways to build and repair trust. Participants will also learn about and consider the findings of a study designed to explore how school principals perceive and experience superintendent trustworthiness.

Culture/Climate, Leadership



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39. Courage Under Fire ●

Daniel Ludvigson, Elementary Principal and Superintendent, Elgin/New Leipzig

As administrators we either all have or will be put in situations where we are taking "fire." Perhaps people don't agree with a decision to terminate a particular teacher. Perhaps you disciplined a board member's kid. Maybe you don't even know what you did to tick off so and so, but they want you fired. How do you handle situations in which you are "under fire?" I will share some of my thoughts and experiences on the matter.

Innovation

40. LIT Labs...changing library perceptions ● ● ●

Lesley Allan, Administrator/Teacher, Williston Public School District #1

What words come to mind when you think of your school library? Antique or Adventurous? Dusty or Daring? Come and connect with what's happening in Williston with LIT (Literacy, Innovation, Technology) labs! Attendees will learn through examples and hands-on activities why libraries still matter and how they can help your community of learners stay LIT!

Innovation, Personalized Learning, Open Educational Resources (OER), Literacy (English and/or Math), Instructional Strategies, STEAM/STEM, School/Community Relations

41. Using Multiple Modalities to Promote Instructional Best-Practice to Increase Student Engagement and Academic Success ● ●

Anthony Vandal, District Administrator, Sara Faulkner, Jamie Holte, Kara Nelson, Williston Public School District

WPSD#1 Elementary Instructional coaches provide methods, strategies, pedagogy to promote instruction that heightens student engagements and increases academic performance. The implementation of Professional Learning Communities (PLCs) at WPSD#1 and the support instructional coaches provide for all staff involved in PLCs. Instructional support designed, developed, and implemented through the coaching process.

Instructional Strategies, MTSS, Leadership



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42. Making Waves: Personalized Learning in the Wild West

Jeff Thake, Superintendent, Wyndy McGinley, Jason Germundson, Meridith Johnson, Paul Richter, Williston Public School District #1

Team Williston will share updated information concerning their unconventional path to achieve personalized learning thru community partnerships/support, achieving student and staff buy-in, using data to inform decision-making, and how their safe, innovative, caring learning environment benefits all.

Innovation, Personalized Learning, Standards Based Grading, Literacy (English and/or Math), Choice Ready, Instructional Strategies, Culture/Climate, Engagement (Engagement Strategies, Surveys, Accreditation, Etc.), School/Community Relations, Social Emotional Learning/Behavioral Health, Leadership

43. I Am Resilient

Tom Nitschke, Jasmine Nitschke

This program will discuss the importance of learning resiliency skills for both students and staff. We will introduce the audience to skills taught in the "I Am Resilient" program.

44. Strengthening Literacy and Deep Learning in the Content Areas: An Integrated Approach



Brenda Tufte, Education Professor at the University of Mary

Integrating literacy in engaging ways can develop 21st century skills and facilitate deep learning in the content areas. Rather than viewing literacy instruction as an add-on that takes away from time for learning content-specific knowledge and skills, all educators can leverage the application of active inquiry, reading, communication, collaboration, critical thinking, creativity, and problem solving to deepen learning and motivate students. Will our graduates be ready for the challenges and opportunities of the 21st Century? This authentic approach to literacy integration utilizes learner agency to equip students with strong literacy and 21st century skills needed to be nimble in adapting to today's fast pace of change. Most importantly, it prepares them with the agency to use their skills to address the world's deep needs.

Literacy (English and/or Math), Choice Ready, Instructional Strategies



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45. Building Resilient Students From the Inside Out

JC Pohl, LMFT, TEEN TRUTH

Covid has wreaked havoc on students lives. Teen suicide is on the rise. Thousands of students are struggling with mental health. In the face of such overwhelming stress, how can we help our students work through the adversity they regularly face? Award-winning producer and nationally certified counselor, JC Pohl, offers a direct pathway to one singular solution: resiliency. In this interactive session, JC offers proven and immediately applicable ways to help students build self-efficacy and resilience.

Social Emotional Learning/Behavioral Health

46. STEAM vs. PBL

Courtney Shuley, Northeast Education Services Cooperative

In this session, we will discuss strategies for online and blended K-12 classrooms to help more fully engage students, especially those on the margins. We will share an emerging set of course design principles, based on a recent study of online student experiences, to more equitably engage all students. The session will also include an open discussion to share ideas and invite ongoing dialogue.

Online/Blended Instruction, STEAM/STEM

47. OER - Open Education Resources

Tyler Ward, Ben Nelson, Information Technology Specialists, NDIIT - EduTech

Open Education Resources or OER Commons, is a public digital library of open educational resources. Unlike traditional closed-copyright resources, OER have been authored or created by an individual or organization. This is a great resource to explore, create, and collaborate with educators around the world to improve curriculum. Teaching and learning materials that you may freely use and reuse at no cost.

Open Educational Resources (OER)



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48. Science and Engineering Teaching, Learning, and Identity Through Community Science

Workshops and Making

Dr. Jerry Valadez, CEO/President of the Community Science Workshop Network

Inclusive Community Science Workshops and spaces for making in schools, libraries, and communities foster STEM learning, creativity, innovation, and identity through play, making, and positive social interactions.

Innovation, Literacy (English and/or Math), Culture/Climate, STEAM/STEM

49. STEM Education Builds Leadership Opportunities for All Involved.

Christine Royce, Professor & Co-Director of MAT in STEM Education at Shippensburg University

The instructional strategies and approaches for designing STEM lessons, the connections to career and college readiness, and overall thought process involved in an integrative STEM experience are the exact same soft skills that leaders are asked to develop in both themselves and those around them. Connect with others in this session as these crossover points are explored.

STEAM/STEM, Leadership

50. Whichever Adjective You Choose –Distance, Remote, Online, Virtual, Blended, Hybrid, Hyflex ---

It’s still possible to do STEM Education

Christine Royce, Professor & Co-Director of MAT in STEM Education at Shippensburg University

Join us online while examining tools and strategies for continuing to provide engaging STEM education opportunities for your students in a(n)_____ environment. Yes, there are adaptations that need to be made. However, STEM educators have great content, approaches, and ingenuity which help make the switch.

Personalized Learning, Online Instruction, Instructional Strategies, STEAM/STEM,



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51. The Story Behind Making the Federal STEM Education Strategic Plan



Jeff Weld, Executive Director of Iowa Governors STEM Advisory Council

In the fall of 2017 the White House called to ask if Iowa would loan me to D.C. to produce a Federal STEM Education Strategic Plan that would guide Agencies and Departments in spending and programming. Our governor agreed, and I agreed, on several conditions. First it would have to be a nationwide guidepost, not just for the Feds. Second, my friends, peers, colleagues and allies from across the nation would have to be invited to help, including North Dakota. Terms were accepted and within the year 2018 “America’s Strategy for STEM Education” was written and published. 2019 was the first implementation year both federally and nationally. I’ll share some of the good, bad, and ugly of working in D.C., and how the new STEM plan is providing opportunities for North Dakota and the nation.

Innovation, Personalized Learning, National STEM Education Policy Guidelines, Regulations/Policies (Accreditation, School Approval, Days to Hours, etc.), Instructional Strategies, Engagement (Engagement Strategies, Surveys, Accreditation, etc.), Culture/Climate, STEAM/STEM, Leadership

52. Picture This: An Integrated Curriculum Standards-Based Approach to Literacy Learning That Engages All Learners



Rebecca Engleman, Arts in Education Director, Beth Olshansky, Center for the Advancement of the Art-Based Literacy, ND Council on the Arts

Pictures offer a universal language for thinking and expressing ideas. Peek into several high-need elementary classrooms to witness the impressive content-based picture books students create while participating in a dynamic visual approach to literacy learning. Observe how creating pictures first before writing increases engagement, deepens students’ thinking, and supports language acquisition. Experience for yourself how words can make a picture come alive! Review promising research findings for Title I students, Special Education students, English Language Learners, and others considered at-risk. (Can delete blue or do we want to skip research since it is not based in ND and our session will be short? I can reference our findings in the PPT without going into it.)

Innovation, Literacy (English and/or Math)



- Administrators
- Teachers
- Counselors/Social Workers
- Title 1 Personnel
- Career & Technical Education
- Special Education Personnel
- After School (21st Century)
- CSI/TSI Schools
- Instructional Coaches
- English Language

53. Constructivist Learning Environments: The SmartLab Impact on ND Schools

Dr. Tonya Greywind, Administration at NDCDE

I would like to share the results of a study that was conducted on SmartLab impact on 4 rural schools in ND, and show how NDCDE, a state agency in ND, can provide options for rural schools to implement a constructivist learning environment (SmartLab) in schools in the state.

Innovation, Personalized Learning, STEAM/STEM

54. Closing the CS Gap in ND Schools

Nancy Mahlen, Microsoft Philanthropies TEALS Program

Every ND student deserves the opportunity to study computer science (CS) in high school. The Technology Education and Literacy in Schools (TEALS) Program partners with high schools to build teacher capacity and student interest in computer science with the goal of enabling schools to sustain equitable CS programs on their own. With the TEALS Program, teachers partner with TEALS volunteers to team teach classes and prepare to teach CS on their own. The volunteers come with a strong background in CS and programming, and give their time and energy to support teachers and students in learning CS. A powerful tool used in TEALS team-teaching model is the ability to teach virtually with specialized remote conference software which allows rural schools access to the TEALS content and volunteers. It's our goal to bring CS to all high schools in the state of ND by offering support to teachers and administrators. We're asking teachers, school administrators, parents, students, and tech professionals to join us in the effort to help educate the next generation of innovators.

Innovation, Instructional Strategies, STEAM/STEM



- Administrators
- Teachers
- Counselors/Social Workers
- Title 1 Personnel
- Career & Technical Education
- Special Education Personnel
- After School (21st Century)
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- Instructional Coaches
- English Language

55. Duel Administrative Roles – What is it Like? ●

Daniel Ludvigson, Elementary Principal and Superintendent, Elgin/New Leipzig

Many small schools are moving toward combining various administrative positions. This presents some challenges and obstacles. Is this the right thing for your school? Is it the right thing for you? Join to hear about my experiences and the experiences of others trying to fill multiple leadership roles.

Rural Education, Leadership

56. Conducting a Better Meeting ●

Daniel Ludvigson, Elementary Principal and Superintendent, Elgin/New Leipzig

A presentation with a little humor on how to conduct more productive meetings. Share some of the common issues with arranging meetings and some strategies to avoid pitfalls.

Leadership

57. Put This Data Point to Work! ● ● ● ● ●

Jane Scott, Senior Educational Facilitator & Matt Copeland, Director of Educator Engagement

Quantile measures provide a scientific approach for matching students with ability-appropriate resources. These measures, reported on the NDSA, help differentiate instruction and monitor growth in mathematics. They can also be used to inform where students are on the path to success in school, college and career.

Innovation, Open Educational Resources (OER), Literacy (English and/or Math), Instructional Strategies, MTSS, STEAM/STEM

58. Maximizing the Match in Reading ● ● ● ●

Jane Scott, Senior Educational Facilitator & Matt Copeland, Director of Educator Engagement

Lexile measures provide a scientific approach for matching students with ability-appropriate text. Using the Lexile measures reported on NDSA can help differentiate instruction and monitor growth in reading. These measures can help get students on the path to success in school, college and careers.

Literacy (English and/or Math), Instructional Strategies, MTSS



- Administrators
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- English Language

59. Engaging Students: Using Crosscutting Concepts to Prompt Student Sensemaking of Phenomena

Peter McLaren, Next Gen Education LLC

The Framework for K-12 Science Education (NRC, 2012) identifies three dimensions from which K-12 science education must be built around. One of the three dimensions, crosscutting concepts, unify the study of science and engineering across all domains of science and engineering. Though the dimension of crosscutting concepts is essential to support student learning in learning science and engineering it is also the least understood. This workshop will provide educators with meaningful insights into how to use the dimension of crosscutting concepts to structure prompts that engage students in reasoning how and why phenomena occur. The intent of this session is to help participants create consistent and clear prompts structured around crosscutting concepts that could be used within each phase of the Gathering, Reasoning, and Communicating (GRC) model. The crosscutting concepts provide a consistent language for educators to communicate with students. By designing prompts with crosscutting concepts, the focus of the student thinking can be directed to key aspect of the phenomenon being investigated which sets the stage for meaningful formative assessment opportunities.

Three-Dimensional Science Teaching and Learning, Instructional Strategies, STEAM/STEM

60. Title, MTSS, 504, IEP... - What does that stand for again?

Daniel Ludvigson, Elementary Principal and Superintendent, Elgin/New Leipzig

We will dive into how the different programs for general education, students with disabilities, and special education relate and are different. It can be confusing with so many different layers of intervention and qualifications to receive those interventions. Lets break it down.

Special Education and 504 Services, Intervention Systems, MTSS



- Administrators
- Teachers
- Counselors/Social Workers
- Title 1 Personnel
- Career & Technical Education
- Special Education Personnel
- After School (21st Century)
- CSI/TSI Schools
- Instructional Coaches
- English Language

61. Promethean's Classroom Essential Apps

Traci Knight, Administrator of Partner Relations, Wachter Middle School, Brittany Vernier

Explore the countless built-in tools within your ActivPanel like Annotate, Spinner, Timer, and Whiteboard, to name a few. Learn tips and best practices to engage students of any grade level or content area with your Promethean ActivPanel.

Innovation, Open Educational Resources (OER), Literacy (English and/or Math), Instructional Strategies, Engagement (Engagement Strategies, Surveys, Accreditation, etc.)

62. Wireless - Best Tips and Practices

Traci Knight, Administrator of Partner Relations, Wachter Middle School, Brenda Wall, Will Ostrander

Come and hear about the best approach to getting the most out of your current wireless and upgrading to the latest and greatest. What you need to know about LTE incorporated into you design, WiFi 6 and more.

Innovation, Instructional Strategies, School/Community Relations

63. Sharing a Lesson From COVID-19

Daniel Ludvigson, Elementary Principal and Superintendent, Elgin/New Leipzig

We have all been through an unprecedented time. Many of us were thrown into distance learning at many and varied states of preparedness. There is a proverb that goes, "Calm seas don't make skilled sailors." As I have told people over the past months, we can choose to grown and be better because of these experiences. This isn't so much a presentation as a chance to share experiences, challenges, solutions, and to connect with other educators struggling with the "new normal."

Innovation, Culture/Climate, School/Community Relations, Social Emotional Learning/Behavioral Health, Leadership

64. Supporting the Whole Learner

Tosha Vogel, School Counselor, Edgenuity

The presentation will focus on how Edgenuity supports the whole learner. From Academics to SEL.

Culture/Climate, School/Community Relations, Social Emotional Learning/Behavioral Health



- Administrators
- Teachers
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- English Language

65. Understanding Focus Skills- The Game-Changer for Instructional Planning in North Dakota



Dr. Gene Kerns, VP Chief Academic Officer, Renaissance Learning

The key to success is knowing where to focus. In a world trying to both carry on and deal with a lingering pandemic, where do we focus our academic efforts? Whether we are delivering instruction remotely or targeting skills for review when students finally return, which skills should we target? Now more than ever we need to know where to focus, and research shows that certain skills lay the foundation for future learning, making them essential and non-negotiable. These are focus skills and knowledge of them can profoundly direct your efforts. Gain new insights on focus skills—along with practical strategies for using them to maximize the power of instruction whether that’s remotely, in your classroom, in your building, or across your district. As we walk through the focus skills journey, from assess to mastery, we will explore:

- How Renaissance identifies focus skills in reading and math—and where to find focus skills in your Renaissance programs
- How focus skills relate to state and national standards
- How the number of focus skills differs by grade level and subject area, and how we can use this to prioritize our efforts
- How knowledge of focus skills can be used to close achievement gaps and improve student outcomes

Instructional Strategies

66. Technology for Today's Classroom

Tim Beekman, Regional Sales Director, Brenda Wall, Marco

Educators need innovative tools for today’s unique education challenges. With masks and remote learning becoming the reality for many schools, classroom audio and video solutions offer timely benefits for educators. Come learn about new research that demonstrates how amplifying teachers’ voices is critical when teaching through a mask, and the difference that a classroom audio system can make to student engagement, achievement, and focus. We’ll also discuss how an effective classroom video solution can boost remote learning by making it easy for teachers to create, manage, and deliver video content to students. Learn about the many recording and delivery options available, as well as opportunities to stream live video to remote students.

Innovation, Technology, Instructional Strategies



- Administrators
- Teachers
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- English Language

67. New ways to fill absences ●

Wayne Gilman, Manager, Teachers On Call

Share ways to fill absences and hire more teachers

Innovation, Substitute Staffing Options and Addressing the Teacher Shortage, Leadership

68. The New Math of Facility Planning ●

Jim Perras, School Market Leader, Consolidated Construction, ICON Architects, PFM Financial

1 + 1 > 2 Educationally 1 + 1 < 2 Operationally

Student enrollment continues to grow and migrate towards population centers, and school funding is under scrutiny. North Dakota School Districts must be Schools of Choice to survive. This session focuses on facility planning for today's educational needs, with a focus on the benefits of combining facilities for educational advantages and operational efficiencies. Case studies will be shared that shed insight into educationally driven facility improvements, adaptive re-use of existing facilities, community engagement techniques, and current funding/financing opportunities.

Facilities, Security, Culture/Climate, Engagement (Engagement Strategies, Surveys, Accreditation, Etc.), School/Community Relations, STEAM/STEM, Leadership

69. Indoor Air Quality and the Learning Environment ●

Christopher Schwab, Kurt Pierce, Core Facility Solutions

1 + 1 > 2 Educationally 1 + 1 < 2 Operationally

Student enrollment continues to grow and migrate towards population centers, and school funding is under scrutiny. North Dakota School Districts must be Schools of Choice to survive. This session focuses on facility planning for today's educational needs, with a focus on the benefits of combining facilities for educational advantages and operational efficiencies. Case studies will be shared that shed insight into educationally driven facility improvements, adaptive re-use of existing facilities, community engagement techniques, and current funding/financing opportunities.

Facility, School/Community Relations



- Administrators
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- Title 1 Personnel
- Career & Technical Education
- Special Education Personnel
- After School (21st Century)
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- English Language

70. Better Together: Blended Learning for Connection and Curiosity

Jennifer Plucker, Director of Professional Learning, Mackin, Lindsay Simmons

Building relationships, staying connected, and promoting inquiry can be challenging when students are not physically with an educator. Yet, the research is clear that the student-teacher relationship is paramount for engagement and achievement (The Albert Team, 2020). Further, when students are curious and can search for knowledge following a self-directed path, their engagement and achievement soar (Ferlazzo, 2020). In this session, we will explore some practical ideas educators have around building relationships with students, maintaining connection while apart, and cultivating curiosity. An opportunity to crowd share ideas will be provided as well so all participants can network and learn from one another.

Personalized Learning, Instructional Strategies, Culture/Climate, Social Emotional Learning/Behavioral Health

71. Digital Transformation and the New Normal for IT Services

Traci Knight, Dan Durkee, Partner Relations with Connecting Point

The digital transformation that we have seen in 2020 actually has been a few years in the making. It was already happening before COVID-19 and it is likely permanent. In this presentation I will discuss some of the digital transformation that has taken place in 2020 and how this digital transformation has affected schools and businesses who are outsourcing IT Support services more than ever before.

Innovation, Engagement (Engagement Strategies, Surveys, Accreditation, etc.), School/Community Relations

72. The Five Love Languages For Children

Jon Dryburgh, Elementary Principal at Hillsboro Elementary School

A closer look specifically at the book “The Five Love Languages for Children” and engage anyone on how to show love to children whether they are your own or those you teach.

Social Emotional Learning/Behavioral Health, Culture/Climate, Leadership



- Administrators
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73. The benefits of a "Defined Benefit" : How TFFR Helps ND Educators



Janilyn Murtha, Deputy Executive Director/Chief Retirement Officer of ND Retirement & Investment Office

Denise Weeks - Retirement Program Manager, Stephanie Starr – Retirement Programs Specialist, Jayme Heick – Retirement, Programs Specialist, Tami Volkert – Employer Services Coordinator, Estelle Kirchoffner – Membership Specialist

The ND Teachers’ Fund for Retirement (TFFR) is a defined benefit (DB) retirement plan for public educators in North Dakota. Please join us for a brief discussion regarding how TFFR helps members plan for retirement, employers plan for teacher needs, and other benefits of having a DB plan. We'll also introduce you to our staff and your resource for TFFR related questions.

Leadership, School/Community Relations

74. A Behavior Management System that Works: An introduction to the Expectations Behavior Management System



Dan Mades, Special Education, Twin Cities Education Consultants

The Expectations Behavior Management System (EBMS) is a multi-tiered system of support for special education students who struggle with behaviors. The goal of this professional development session is to introduce staff to EBMS. The time will focus on showing staff how to incorporate best practice strategies, lesson plans, technology, and progress monitoring to create a system that works best for their school. In addition, staff members will learn a new way of communicating with each other in a way that is student focused. Participants will be taught communication strategies that help school staff focus around finding solutions to their everyday struggles with students rather than just focusing on the problems.

Social Emotional Learning/Behavioral Health, MTSS, Culture/Climate