Presenter	Session Title	Session Description	Level	Presentation
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Keynote 8:30 am - 9:15 am

Drinking from the Fire Hose: Leveraging Data in the 21st Century School

Over the past few years some truly exciting opportunities have emerged for educators and schools seeking to better leverage educational data. Learn how schools across the globe are leveraging everything from simple student survey reflections to predictive learning analytics to support opportunities for educators and schools to better define, measure and communicate what they find valuable and important.

Session One -- 9:30 am - 10:15 am

Presenter	Session Title	Session Description	Level	Presentation
Christopher Balow	**Crafting a Comprehensive Balanced Assessment Program**	Many school districts are implementing assessment programs that lack coherence and a clear focus on improving student outcomes and are often missing key components to inform decision-making. This session will provide a systematic approach to this process with the goal of creating an intelligent, efficient and cost effective system of assessments that supports	All	Presentation

		stakeholder decision-making at all levels of the organization. This session will lay the foundation for the development a 3-year plan for implementing a balanced assessment system by understanding the components of a comprehensive balanced assessment system, reviewing current assessment system, completing a gap analysis and analyzing current specific assessments for quality and effectiveness.		
Damian Bebell	**Building the community and capacity to support data-informed reflection in your school**	Although most educators manage rubrics, student assessments,and employ (informal) formative assessments to inform their daily instructional pace and classroom approach, many do not consider themselves "data people". In this session, examples and best practices highlight simple practices and policies schools have developed to create an engaged and supportive culture for data-informed reflections.	All	Presentation
Nicholas Blank, Lee McCanne	**A Better View of your Data Landscape**	We will discuss how our district has implemented a variety of Data Visualization applications for Administrators, Teachers, Parents and Students, using an integration of Infinite Campus and Tableau	All	Presentation
Julia Greenstine, Darlene Reed, Dan Ambrosio	**If You Build It, They Will Come: Utilizing a Variety of Data Systems to Create Instruction that Works**	Join us as we discuss how Foxborough Public Schools utilizes traditional data warehousing, innovative and targeted use of our learning management system, and custom built databases to harness the power of small data to positively impact learning for all.	All	Presentation
Brian O'Mara	**Assess less. Know more. Inform Instruction**	What's driving your District's Assessment philosophy? Is your goal to drive gains for	All	Presentation

		students by informing instruction and helping administrators allocate resources and support teachers? If Yes, please join me to learn how a strategic online assessment can streamline your overall assessment platform, provide powerfully simple reports for teachers and save money. Learn how implementing a single set of data can inform instruction for students as well as help administrators/teachers make good decisions for students to improve student outcomes regardless of their level. The end result of these guiding principles is the reduction of complexity to focus on what really matters.		

Session Two -- 10:30 am to 11:15 am

Christopher Balow	**Improving Student Achievement Through Social Emotional Learning Strategies**	Social and emotional learning (SEL) is critical in student performance and most schools are not addressing this need. In this session you will learn the SEL domains of competence and receive an overview of the empirical research supporting SEL. This session will review of quality software tools, methods for collecting and reporting SEL data and quality online programs to address identified student needs.	All	Presentation
Ellen Burns, Nikki Simmons, Cindy Ferguson	**Elementary Data**	Join us as we demonstrate how we organize and sort data in a methodical way that facilitates the development of our Reading Intervention Groups. We will demonstrate how utilizing conditional formatting to highlight student	Elementary	Presentation

		learning needs simplifies the process. The presentation will include a sample of the matrix we use to generate groups. In addition, math data sheets will be included to provide highlights of how we generate groups and target instructional needs. As well as how we use Gradebook to collect ongoing student grades and data in an Elementary School Setting. In conclusion, we will be answering any questions teachers have as well as provide any suggestions to streamline the process.		
Cheryl Lewis, Ritamarie Benoit, Sarah McGuire	**What Data Means to Us**	Learn how one district has progressed in its understanding and exploration of what it means to use data for teaching, learning, and program review.	All	Presentation
John Breslin, Uri Harel	**Identifying at-risk students**	Somerville Public Schools administrators Uri Harel, K-8 Curriculum Coordinator, and John Breslin, Director of Technology, will discuss how Somerville uses open-source Student Insights to provide educators with relevant real time data at their fingertips to make informed and timely decisions involving their struggling students and for use in evaluating interventions.	All	Presentation

Session 3 -- 1:15 pm to 2:00 pm

Neal Sonnenberg, Jamee Callahan	**The Story behind the Numbers**	The Medfield Public Schools has created a data portal for its Reading Specialist to track student progress. This process has reduced mundane	Elementary	Presentation

		data entry by 80% and allowed Reading Specialists to better allocate time working with students. Come learn how we leverage Google Sheets/Forms to inform decision making.		
Maureen Kavanaugh, Caitlin Ahern	**Building a System of Regular Data Use: Tools for School and Department Leaders**	Presenters will demonstrate a process for building a system of supports to promote regular and ongoing data use among school and department leaders for short and long-term planning. Participants will begin to create a school or district-specific data inventory, reporting calendar, and a sustainable system for tracking key reports.	All	[Presentation](#)
Sandra Baldner, Katherine Berry	**Using State and Local Data to Implement a Whole School Curriculum Inatiative that Improves MCAS Math Scores**	This best practice will share with school leaders and educators how South Shore Vocational Technical High School used state and local data to drive a vocational and academic Study Island curriculum initiative that improved Math MCAS scores.	Secondary	[Presentation](#)
Tulani K Husband-Verbeek, Devon Donovan	**Targeting Literacy: Using Data for School Wide Informed Instruction**	Content area teachers need tools to make curricular modifications for literacy skills. Data collection and supported dissemination through the implementation of a school-wide skills assessment creates whole-school ownership and allows students with weak skills to be identified, monitored, and remediated over a period of time in all classes.	All	[Presentation](#)

	Session 4 -- 2:15 pm to 3:00 pm			
Erik Erickson, Paul Miniutti	**Data Dashboards for Effective Communications**	Take your data back from pre-packaged vendors. Learn how districts around Massachusetts are using the free Google DataStudio and other free GSuite tools to create and share customized reports and dashboards for making data-driven decisions and better district-wide communication.	All	Presentation
Jeff Sun	**How Do We Know It's Working**	Learn about a three-step process for conducting a data-based assessment of district teaching and learning initiatives. This is an evaluation framework than any district can initiate using a variety of open-source data tools and techniques.	All	Presentation
Jeff Bajgot, Rick Rozzelle	**Using Ed-Fi to Enhance Data Management**	Integrity is helping Massachusetts school districts leverage the Michael & Susan Dell Foundation's Ed-Fi data model to achieve significant outcomes and benefits. These include increased student achievement and enhanced staff productivity. We have several models we will share for implementation and integration best practices.	All	Presentation
Tom Hickey, Michael Mahoney, Crystal Paluzzi	**Building a Data-Driven School Culture: Promise and Pitfalls**	Presenters will share their efforts at building a data culture over several years, including success stories and missteps because building a data culture ultimately benefits students and	All	Presentation

| | | improves school culture and instructional practice. | | |