CONNECTED24

Improve Student Success Outcomes and Remove Barriers to LMS Utilization

Transformation Lab

EAB

Meet Today's EAB Facilitator

Wesley Pendarvis

Managing Director, Data and Analytics

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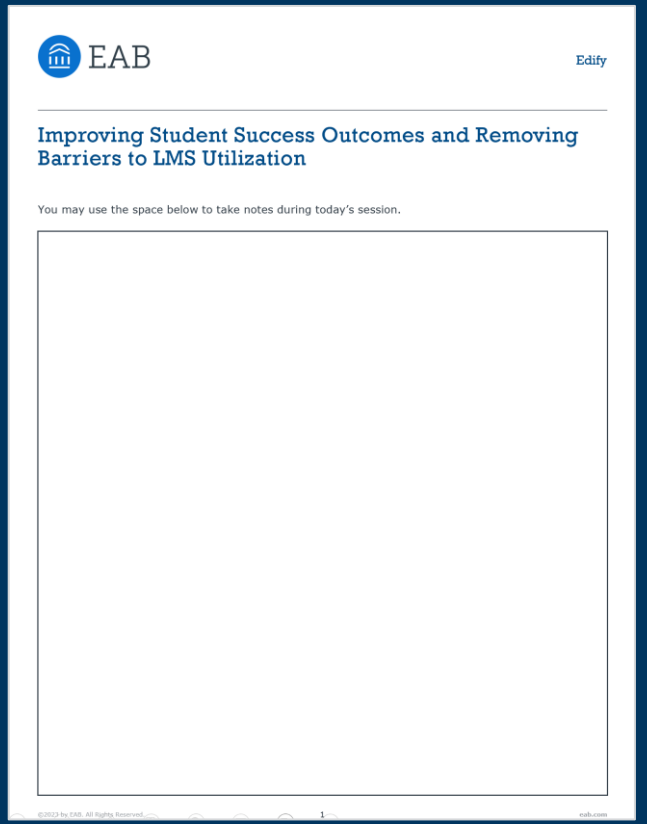
Worksheet for Today's Session

Use the first page of the worksheet to capture any notes or ideas throughout today's session.

We encourage you to speak with your Strategic Leader for further discussion!



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Edify

Improving Student Success Outcomes and Removing Barriers to LMS Utilization

You may use the space below to take notes during today's session.

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1. The Influx of LMS Data
2. Addressing Urgent Questions Using LMS Data
3. LMS Utilization Accelerator Demonstration and Activity
4. Closing

What comes to mind when you think about Learning Management System (LMS) data?

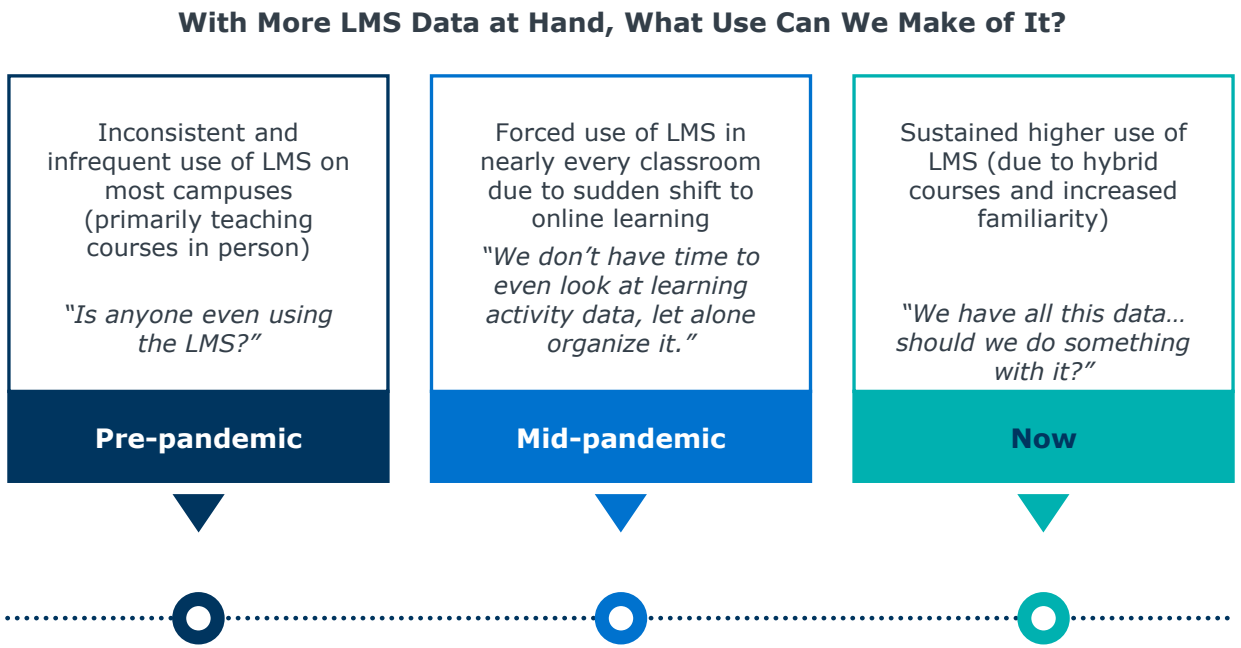
Nobody has responded yet.

Hang tight! Responses are coming in.

Start the presentation to see live content. For screen share software, share the entire screen. Get help at **pollev.com/app**

Capitalizing on an Influx of Learning Activity Data

Increased LMS Usage During the Pandemic and Its Aftermath



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Source: EAB interviews and analysis.

What Prevents Us from Using This Data?

Lingering Roadblocks to Applying Learning Activity Data

HISTORICAL PROBLEM	CURRENT STATUS
Lack of faculty and student trust in technology-based learning formats	Far less of a factor after several years of adjustment to hybrid learning
Faculty sensitivity to pedagogical scrutiny and oversight	Less of a factor with faculty used to digital oversight, but still relevant
Unstandardized practices across departments, courses, and sections	Still a major problem – need a way to make this data useful

Solutions:

- Unite and standardize data to create a single, trusted source of truth
- Analyze this data to discover and share best practices (at department and faculty levels)
- Build trust (in data and the overall initiative) with faculty over time

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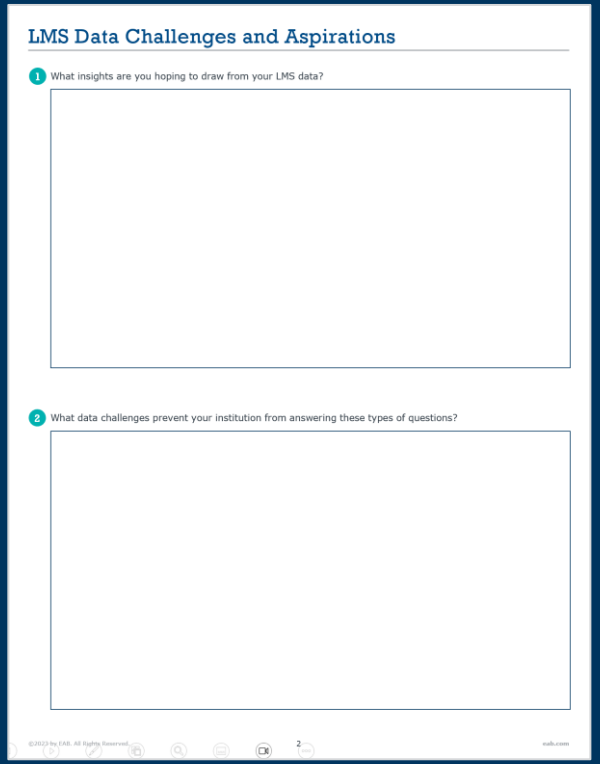
Source: EAB interviews and analysis.

Worksheet and Discussion Activity

Page 2, Questions 1-2

1. What insights are you hoping to draw from your LMS data?
2. What data challenges prevent your institution from answering these types of questions?

Record your responses in the worksheet and discuss with your table. We'll have one representative from each table share out.



LMS Data Challenges and Aspirations

1 What insights are you hoping to draw from your LMS data?

2 What data challenges prevent your institution from answering these types of questions?

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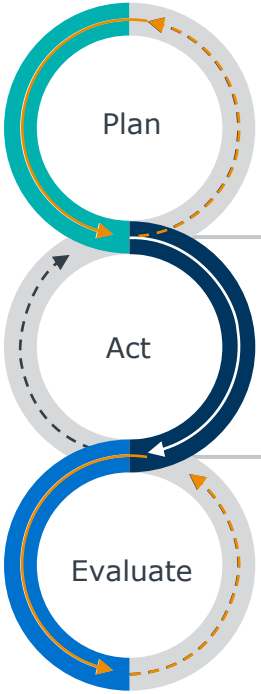
A Useful Framework for Analyzing Impact

Sustain Momentum Through Ongoing Evaluation



- Define objectives and metrics
- Design the evaluation strategy

- Implement the initiative with relevant key collaborators

- Analyze and report on results
- Iterate and scale impact

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Source: EAB interviews and analysis.

The Path to Data-Informed Student Success

Activating Campus-Wide Student Data Is a Multistep Process

Plan | **Evaluate**

1 Collect

- Establish automated and ad hoc data capture
- Install systems or create processes

2 Integrate

- Gather data together into shared storage
- Model data to support analytics use cases

3 Analyze

- Verify data quality and suitability for analysis
- Test hypotheses and derive insights

4 Make Data-Informed Decisions

- Determine appropriate action and intervention
- Deliver services to improve student support

Tailored analytics – more to come in a few slides!

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Source: EAB interviews and analysis.

Edify: A Data and Analytics Solution to Empower Strategic Decisions

Designed Specifically for Higher Ed

Bring Your Data Together

Access and Warehousing

*Cloud-native, secure, infinitely scalable **data lake and warehouse** to support critical institutional initiatives*

Build a Culture of Data Confidence

Data Governance

*Higher ed **best practice rules and validations** to ensure a golden record/single source of truth*

Empower Your Team with Insight

Reporting and Analytics

***Self-service, custom, and pre-built analytics** to drive efficiency and support decision-making*

Build Your Team's Capacity

Professional Services Hours

***EAB support** to meet you where you are. Your team's use of Edify can be self-service or partially or fully managed by EAB.*

- Strategy and Culture Support
- Integration Services
- Process Consulting
- Data Science and Analysis

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Source: Edify.

Edify Analytics Provide Flexibility and Facilitate Communication

Explore and Share Data Visuals and Metrics

Edify Analytics

Allows users to:

- Build workspaces using your governed Build data around a functional area to drive strategic decision-making
- Perform ad hoc analyses without going through the hassle of connecting to external BI or visualization tools or exporting data in Excel
- Permission data by role

Empowering Users with Data

Drag and Drop Analytics Explorer

Change data visuals, add metrics, perform actions on metrics (e.g., sum, average), rename metrics, and create edits in a drag-and-drop space.

Email Scheduling

Select the email frequency and recipients for dashboard delivery via PDF or Excel documents.

Dashboard Building and Sharing

Create new dashboards by building new insights or using saved insights from the Analytic Explorer, adding filters, and editing descriptions, and then name and share the dashboard.

Automated Data Refreshes

Schedule data to be refreshed so that it is always up to date.

Source: Edify.

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What Is an Edify Accelerator?

Edify Accelerator: A templatized workspace containing dashboards with *flexible multisource analytics* focused on answering specific business questions. Edify partners can leverage their Professional Services hours to customize Accelerators for their unique institutional needs.

Data Sources

Data can be pulled from several sources and loaded into Edify.

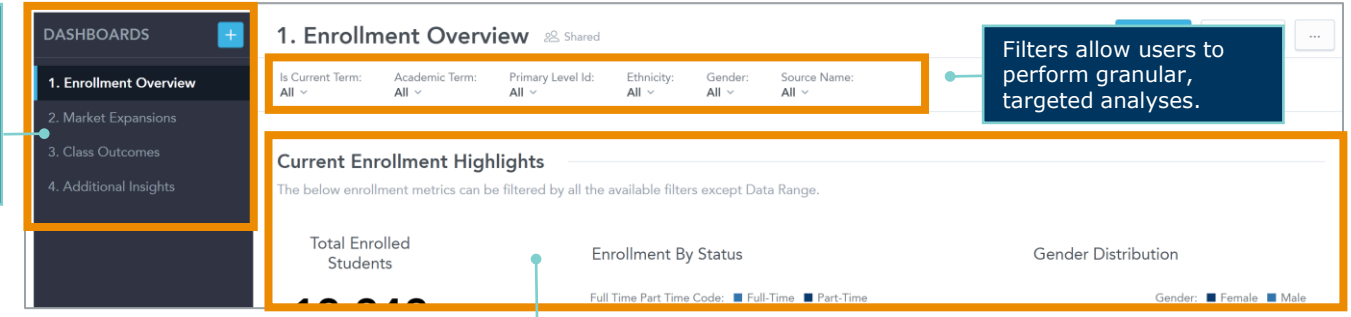
Custom Dashboards

The data is displayed in customizable dashboards.

Users

Dashboards are permissioned and are web browser-accessible.

Dashboards in the workspace can be easily accessed on one screen.



Filters allow users to perform granular, targeted analyses.

Data visuals, such as charts and tables, provide users with digestible data points that they can hover over or click on to drill down into.

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Source: Edify.

Various Accelerators to Support Your Institution

A Library of Customizable Workspaces, So That You Need Not Start from Scratch

Advancement

Identify opportunities to reach more prospects and better retain donors.

Course Planning Optimization

Uncover course-adjustment opportunities to accommodate student demand.

Course Success Equity

Find differences in course performance across demographic groups.

Financial Barriers

Investigate and reduce barriers that may impact student success outcomes.

Financial Sustainability

Narrow in on unit-level costs and identify cost-saving opportunities.

IPEDS Reporting Automation

Streamline data prep and identify opportunities to align with reporting needs.

LMS Utilization

Improve student success outcomes and remove barriers to LMS utilization.

Strategic Enrollment

Pinpoint enrollment trends, view enrollment snapshots, and more.

Success and Retention Opportunities

Advance outcomes via interventions, policy changes, and other initiatives.

Transfer Equity

Understand patterns of transfer behavior and pinpoint equity gaps.

Accelerators are customizable and designed to serve relevant key collaborators. Click here to learn more.

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Focusing on the LMS Utilization Accelerator in Today's Session

Advancement

Identify opportunities to reach more prospects and better retain donors.

Course Planning Optimization

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LMS Utilization Accelerator

Upgrade Student Support Efforts with Real-Time Data and Historical Trend Analysis

Purpose

- Unite and standardize LMS Data in an accessible dashboard
- View utilization trends over time (year-to-year and term-to-term)
- Compare current use against previous points in time; drill down to the department, section, and instructor levels

Course Section Analysis

- *Compare course sections and their utilization profiles*
- *Understand which courses, sections, and instructors best utilize the LMS to gather best practices to teach campus-wide*

Drill-Down Profiles

- *Drill down to departments, sections, instructors, and student profiles to gain insight into engagement*
- *Identify students at risk of stopping out based on low LMS usage or unsubmitted assignments*

Student Outcomes

- *Discern how LMS usage can help prescribe interventions for student success*
- *Examine persistence trends as influenced by factors such as LMS discussions, assignment performance, and more*

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Source: Edify.

Student Success and Support Teams

Equip Your Teams to Answer Urgent Questions

Questions	Potential Actions
Does LMS utilization impact student retention?	**Develop intervention campaigns** around LMS utilization and/or assignment completion.
Is assignment completion an early indicator of GPA? Which courses and sections have low assignment completions?	Partner with instructors to better **support students struggling to complete assignments**.
How do assignment completion rates compare across programs?	**Create data visibility** across programs in the same department.

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IT, LMS Admins, and Digital Learning Directors

Equip Your Teams to Answer Urgent Questions

Questions	Potential Actions
How does course modality affect LMS utilization?	**Pinpoint barriers to successful LMS utilization** and discuss solutions with other teams.
What is today's LMS utilization like? How does it compare to this time last year and three years ago?	**Identify trends in LMS utilization** to inform strategy for the institution.
Which departments have the highest and lowest LMS utilization?	Recognize high LMS utilization departments, and **explore strategy-sharing for low-utilization departments.**

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Deans and Department Chairs

Equip Your Teams to Answer Urgent Questions

Questions	Potential Actions
Which courses have the highest rate of assignment submission and discussion engagement?	Assess LMS utilization's impact on student outcomes and **develop instructor recommendations**.
Which instructors in my department are using the LMS effectively?	Use findings to **inform department-wide policies** regarding LMS utilization.
Has the volume of assignments changed over time?	**Ensure the number of assignments is consistent** across sections of the same course.

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Which dashboards would you be most interested in learning about during the demo?

Department Profile: Data on instructors, courses, sections, LMS assignment submissions, instructors wh…
0%

Instructor Profile: Data on courses, sections, students, assignment and discussion post info, section perf…
0%

Section Profile: Data on students v registered students vs. dropped students, DFW metrics, midterm and …
0%

Student Profile: Data on student academic history (GPA, attempted vs. earned SCH, count of late assign…
0%

Student Outcomes: Data on logins within the first week, LMS participation and submission metrics; 4-, 6-,…
0%

Start the presentation to see live content. For screen share software, share the entire screen. Get help at **pollev.com/app**

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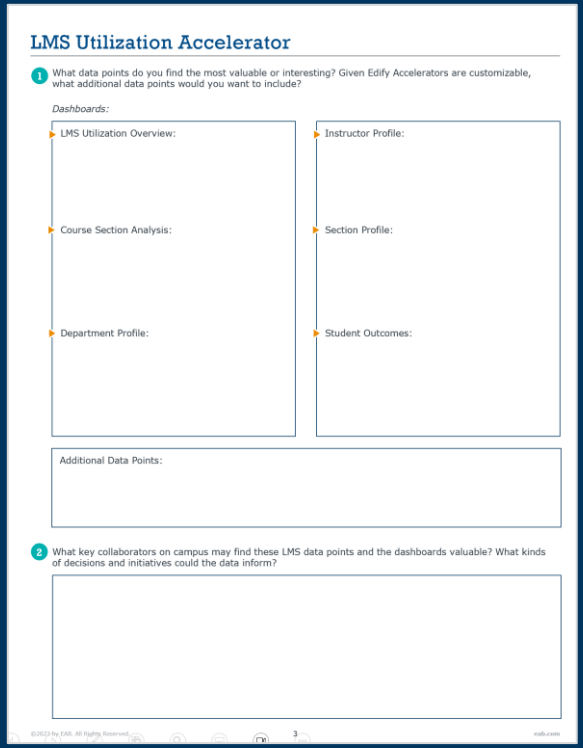
Worksheet Activity During Live Demonstration

Page 3, Questions 1-2

Record the data points you find valuable, customized data points you'd want to include for your institution, and key collaborators who would benefit from having this data.

After the demonstration, discuss with your table!



LMS Utilization Accelerator

1 What data points do you find the most valuable or interesting? Given Edify Accelerators are customizable, what additional data points would you want to include?

Dashboards:

- LMS Utilization Overview:
- Course Section Analysis:
- Department Profile:
- Instructor Profile:
- Section Profile:
- Student Outcomes:

Additional Data Points:

2 What key collaborators on campus may find these LMS data points and the dashboards valuable? What kinds of decisions and initiatives could the data inform?

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Live Demonstration

What strategies and new projects could you implement using this data?

Nobody has responded yet.

Hang tight! Responses are coming in.

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Turning LMS Data into Analysis and Action

Crafting Strategies with LMS and Learning Activity Data

Laying the Groundwork for Success with LMS Data

Assuage Concerns About an Overly Technical Approach

Limit concerns by emphasizing that activity data will not be considered a direct proxy for student learning engagement.

Consider Interventions Before Beginning Analysis

Determine current advisor levers to support low-activity students to ensure that analyses will lead to action.

Review Data Availability to Inform Project Scope

Contact LMS admins to understand what data your LMS collects and makes available. Speak with your Navigate360 or Starfish Strategic Leader to discuss LMS integration.

Pilot New Strategies with Faculty Champions

Find curious faculty with courses that see high LMS utilization to pilot smaller-scope analytics.

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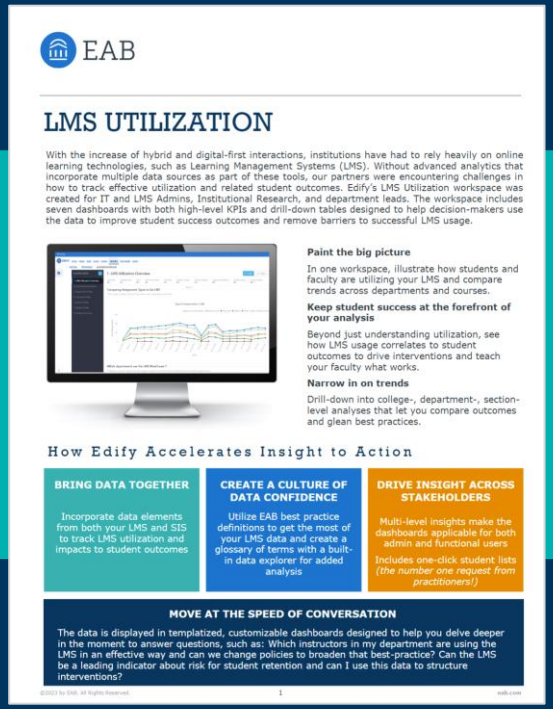

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LMS UTILIZATION

With the increase of hybrid and digital-first interactions, institutions have had to rely heavily on online learning technologies, such as Learning Management Systems (LMS). Without advanced analytics that incorporate multiple data sources as part of these tools, our partners were encountering challenges in how to track effective utilization and related student outcomes. Edify's LMS Utilization workspace was created for IT and LMS Admins, Institutional Research, and department leads. The workspace includes seven dashboards with both high-level KPIs and drill-down tables designed to help decision-makers use the data to improve student success outcomes and remove barriers to successful LMS usage.

How Edify Accelerates Insight to Action

BRING DATA TOGETHER

Incorporate data elements from both your LMS and SIS to track LMS utilization and impacts to student outcomes

CREATE A CULTURE OF DATA CONFIDENCE

Utilize EAB best practice definitions to get the most of your LMS data and create a glossary of terms with a built-in data explorer for added analysis

DRIVE INSIGHT ACROSS STAKEHOLDERS

Multi-level insights make the dashboards applicable for both admin and functional users

Includes one-click student lists *(the number one request from practitioners!)*

MOVE AT THE SPEED OF CONVERSATION

The data is displayed in templatized, customizable dashboards designed to help you delve deeper in the moment to answer questions, such as: Which instructors in my department are using the LMS in an effective way and can we change policies to broaden that best-practice? Can the LMS be a leading indicator about risk for student retention and can I use this data to structure interventions?

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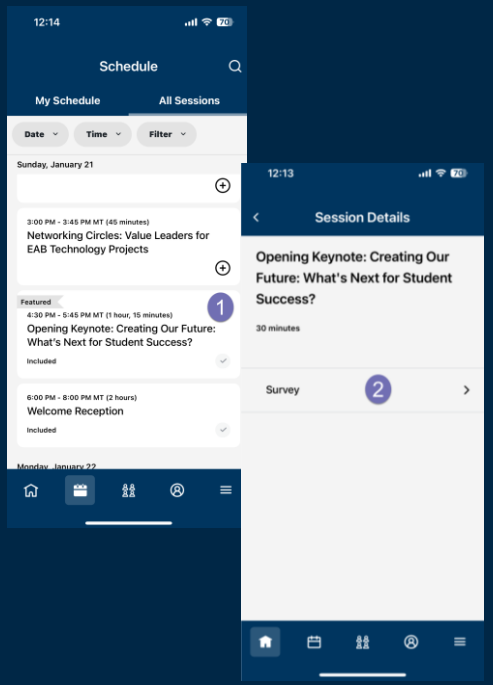
Evaluations are available in the event app by clicking on a session and then clicking **Survey.**



Need help with the app?

Stop by the **information desk!**

CONNECTED24

Join us tonight for a CONNECTED Celebration!

Join us at **5:00 p.m. in the Aurora Ballroom B-D** to celebrate with your colleagues and peers.

Bites, drinks, and fun provided

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