AGENDA

Creating a Dashboard build
- What is a Dashboard Build?
- How to create/monitor the build
- Notifications

Dashboard Access
- Data Cockpit Authorization & roles
- Accounts Generation
- SSO Federation

Navigating the Dashboards
- Academic Dashboards
- Early Warning System
- Interventions

Support options
- Documentation
- Support Team

Data Hub Dashboard
- History
- Future

Data Hub Cockpit - Are you Ready for a Dashboard?
- Data Required/Data Quality
- Available Reports
  - At A Glance
  - Dashboard Readiness
  - Role Validation
- Available queries
  - Data Freshness
  - School Data Load Analysis
- Alerts
  - Data Freshness Alert
- Optional Data
  - NWEA
  - State Assessment Data
EXPECTATIONS/OUTCOMES

The goal of the session today is to learn about configuring and using the DataHub academic dashboards and EWS monitoring tools. This session is not intended to be a hands-on session, but we encourage participants to follow along where possible. Following the training we will have some time to circulate and work with participants on specific questions and scenarios they have.
DATA HUB COCKPIT – ARE YOU READY FOR A DASHBOARD? AVAILABLE REPORTS

Data Hub Cockpit > Reports > View District Reports > Data Quality > At a Glance Report

Helps determine:
- Students without schedules
- Attendance events
- Academic Marks
- Student counts (Bldg,District, Grade)
- Courses/Sections
- # of Contacts
- Program Information
- Demographics
- Attendance
- And much, much, more
The Dashboard Readiness Report provides validation on the readiness of data in MiDataHub for a dashboard build. Included metrics on this report used to validate the districts readiness are:

- Student enrollment, school information, LEA details, and more.
The Role Validation Report provides end users a list of staff and their roles as published over from Powerschool. The role published over to MiDataHub will determine what level of access someone will have on the dashboards.

For more information on the please follow the link below. If you have any questions please email support@midatahub.org:

MiDataHub Roles

![Role Validation Report for Michigan Data Hub EWS Demo](image)
Data Validation Queries
We offer a wide variety of scripts to choose from that will provide access to export student data from MiDataHub.

Link to available queries:
Validation Scripts

There are multiple formats to download the data for reviewing including CSV, TXT, etc.
DATA HUB COCKPIT – ARE YOU READY FOR A DASHBOARD?

AVAILABLE QUERIES

The School Data Load Analysis provides users a breakdown of data loaded in several categories for each school building. Student Sections, Student Enrollment, Staff Sections, attendance, Transcripts, and much more.

The Data Freshness script allows users to see which tables are populated, when they were first populated, and when they were last updated.
DATA HUB COCKPIT – ARE YOU READY FOR A DASHBOARD?
NOTIFICATION ALERTS

Alerts can be created directly in the Data Hub Cockpit that will notify identified users when a specific activity has occurred.

- **Audited Activity** - This will alert specified users when something is changed.
- **Scheduled Activity** - This will run a check at the scheduled time for the particular rule when data has not been loaded, refreshed, etc. (Data Freshness, School Data Load, etc.)

**Other examples of how this functionality might benefit users:**
- Students without UIC numbers
- Attendance not updating in ODS for a scheduled school day
- Grade data not published for completed term
Example 1: An alert that will notify specific users when a build has been removed.

Example 2: An alert that will notify end users when data has not refreshed after 2 or more days.
DATA HUB COCKPIT – ARE YOU READY FOR A DASHBOARD?
OPTIONAL DATA SOURCES - NWEA

NWEA data can now be imported to MIDATAHUB. Results can be exported in a query or viewable on the academic dashboards.

To have your NWEA data import into MIDATAHUB follow the steps below:

1. Download fillable PDF Permission to Release Data.
2. Fill out form and sign electronically. (Save the file before sending it or it will be blank.)
3. Return completed form to support@midatahub.org.
4. MiDataHub will configure your inbound integration.
5. Your data will populate approximately two weeks to your Dashboard.
MiDataHub has partnered with the Michigan Department of Education to begin importing the State Assessment Data. When configured, the API will import updated state assessment data for current and newly enrolled students in your district.

The data is viewable on the academic dashboards and also available to download with one of our queries.

[Link to steps for configuring the State Assessment API]
CREATING A DASHBOARD BUILD
WHAT IS A DASHBOARD BUILD?

A dashboard build is a process in the data hub cockpit that computes specific metrics for use on the dashboard. When a Dashboard build executes it will generate specific metrics for attendance, behavior, enrollment, staff roles, and much more for display on the dashboards.

Dashboard builds should be scheduled to run daily

The time to complete a build process varies on the amount of data, but typically will not take longer than 40 minutes.
CREATING A DASHBOARD BUILD
HOW TO CREATE/MONITOR THE BUILD

To create a dashboard build, login to the data hub cockpit, navigate to the bottom of the screen and select EDIT BUILD.

At the MANAGE BUILD screen you will be required to configure the interval, timing, and emails of individuals who will receive a notification upon a dashboards completion. PLEASE know a notification will be sent regardless of completion or failure.
Data Cockpit authorizations are generated directly in the Data Hub Cockpit. Descriptions of each authorization are below:

- **Superintendent** - Sign/Revoke Agreements
- **Technical Contact** - Full access to dashboards, Add/Delete/Edit user accts and permissions (exception is Superintendents), and full access to all reports.
- **Dashboard Administrator** – Grants access to dashboards only.
- **Data Steward** - Full access to reports only
DASHBOARD ACCESS
ACCOUNT GENERATION

Under the accounts generation functionality users can generate accounts based on different scenarios and the roles of users in MiDataHub:

- All roles – at all schools
- Some roles – at all schools
- All Roles – some schools
- Specific staff

Accounts Generation for Grand Ledge Public Schools

- Include All roles at all schools within Grand Ledge Public Schools
- Include only some roles at all schools within Grand Ledge Public Schools
- Include all roles at some schools within Grand Ledge Public Schools
- Include specific staff members from Grand Ledge Public Schools

Sara Holder - Beagle Elementary School - holdings@glicomets.net

[Submit] [Cancel]
If your district has federated with MiDataHub, you are now able to login to the datahubs using the districts federated email. Using the SSO, students and staff will be able to access all the MiDataHub resources via the SSO and launchpad. A few examples of partners using the SSO are Xello (formerly career cruising, Algebra Nation, and numerous more).

For more information on the SSO configuration please follow the link below:

MiDataHub SSO Federation
Shows educators at the classroom, school, or district level metric indicators to provide caution and failure warnings about their students.

Based on research by Dr. Robert Balfanz (Johns Hopkins University).

Focuses on five statistically significant predictors of dropout risk:

- A daily attendance rate of less than 90%
- More than six school code-of-conduct violations
- One or more state-reportable-offense violations
- A failing math grade
- A failing English language arts grade
DETAILED ACADEMIC DASHBOARDS

- Transcripts
- Attendance
- Academic Marks
- State Assessment
- Local Assessment (NWEA)
NWEA data is displayed on the academic dashboards by DISTRICT, school, and individual student.
NWEA data is displayed on the academic dashboards by district, SCHOOL, and individual student.
NWEA data is displayed on the academic dashboards by district, SCHOOL, and individual STUDENT results, goal strands, and historical chart.
DISTRICT-LEVEL EARLY WARNING SYSTEM

[Diagram of the Michigan Data Hub EWS Demo displaying the Early Warning System with metrics and indicators for failing summary, percent caution, and percent failing.]
### Attendance - Caution (Through February 17, 2017)
Percent of students approaching failing on attendance indicator:
- Percent approaching failing - Daily Attendance Rate: 17.5% vs. 10.0%, difference: -7.5%, 1 of 6

### Behavior - Caution (Through January 24, 2017)
Percent of students approaching failing on behavior indicators:
- Percent approaching failing - School Code of Conduct Incidents: 8.9% vs. 10.0%, difference: -1.1%, 1 of 6
- Percent approaching failing language arts: 8.2% vs. 10.0%, difference: -1.8%, 1 of 2
- Percent approaching failing mathematics: 13.7% vs. 10.0%, difference: -3.7%, 1 of 2

### Current Course Grades - Caution (Through Second Nine Weeks 2016-2017)
Percent of students approaching failing on language arts or mathematics indicators:
- Percent approaching failing language arts: 8.2% vs. 10.0%, difference: -1.8%, 1 of 2
- Percent approaching failing mathematics: 13.7% vs. 10.0%, difference: -3.7%, 1 of 2

### Attendance - Failing (Through February 17, 2017)
Percent of students failing on attendance indicator:
- Percent failing - Daily Attendance Rate: 8.8% vs. 10.0%, difference: -1.2%, 5 of 6

### Behavior - Failing (Through January 24, 2017)
Percent of students failing on behavior indicators:
- Percent failing - School Code of Conduct Incidents: 6.9% vs. 10.0%, difference: -3.1%, 6 of 6
- Percent failing - State Reportable Offenses: 6.6% vs. 10.0%, difference: -3.4%, 6 of 6

### Current Course Grades - Failing (Through Second Nine Weeks 2016-2017)
Percent of students failing on language arts or mathematics indicators:
- Percent failing language arts: 7.9% vs. 10.0%, difference: -2.1%, 1 of 2
- Percent failing mathematics: 8.9% vs. 10.0%, difference: -1.1%, 1 of 2
MORE INFORMATION LINK SHOWS LIST OF SCHOOLS—ALLOWS DRILL DOWN TO SCHOOL LEVEL

<table>
<thead>
<tr>
<th>SCHOOL</th>
<th>PRINCIPAL</th>
<th>TYPE</th>
<th>SCHOOL METRIC VALUE</th>
<th>SCHOOL GOAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bryan Public School</td>
<td></td>
<td>High School</td>
<td>0.0 %</td>
<td>15.0 %</td>
</tr>
<tr>
<td>Georgia</td>
<td></td>
<td>Middle School</td>
<td>1.9 %</td>
<td>15.0 %</td>
</tr>
<tr>
<td>Graford Public School</td>
<td></td>
<td>Elementary School</td>
<td>0.0 %</td>
<td>15.0 %</td>
</tr>
<tr>
<td>Scotland</td>
<td></td>
<td>Primary School</td>
<td>0.0 %</td>
<td>15.0 %</td>
</tr>
<tr>
<td>Trent High School</td>
<td></td>
<td>High School</td>
<td>8.0 %</td>
<td>15.0 %</td>
</tr>
<tr>
<td>Waters Public School</td>
<td></td>
<td>Primary School</td>
<td>0.0 %</td>
<td>15.0 %</td>
</tr>
</tbody>
</table>
SCHOOL-LEVEL VIEW—SIMILAR TO DISTRICT-LEVEL VIEW EXCEPT SHOWS NUMBER OF STUDENTS

### Failing Summary

<table>
<thead>
<tr>
<th>Metric Value</th>
<th>Trend</th>
<th>School Goal</th>
<th>Difference from Goal</th>
<th>Student Attainment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>% of students failing Early Warning Indicators</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent falling all 5 indicators</td>
<td>0.0%</td>
<td>6.0%</td>
<td>5.0%</td>
<td>0 of 560</td>
<td>More ▼</td>
</tr>
<tr>
<td>Percent failing 4 or more indicators</td>
<td>0.3%</td>
<td>5.0%</td>
<td>4.7%</td>
<td>2 of 560</td>
<td>More ▼</td>
</tr>
<tr>
<td>Percent failing 3 or more indicators</td>
<td>2.1%</td>
<td>10.0%</td>
<td>7.9%</td>
<td>12 of 560</td>
<td>More ▼</td>
</tr>
<tr>
<td>Percent failing 2 or more indicators</td>
<td>8.0%</td>
<td>15.0%</td>
<td>7.0%</td>
<td>45 of 560</td>
<td>More ▼</td>
</tr>
<tr>
<td>Percent failing 1 or more indicators</td>
<td>23.2%</td>
<td>20.0%</td>
<td>-3.2%</td>
<td>130 of 560</td>
<td>More ▼</td>
</tr>
</tbody>
</table>

### Percent Caution

**Attendance - Caution (Through January 27, 2017)**

<table>
<thead>
<tr>
<th>Metric Value</th>
<th>Trend</th>
<th>School Goal</th>
<th>Difference from Goal</th>
<th>Student Attainment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent approaching failing - Daily Attendance Rate</td>
<td>14.1%</td>
<td>10.0%</td>
<td>-4.1%</td>
<td>79 of 560</td>
<td>More ▼</td>
</tr>
</tbody>
</table>

**Behavior - Caution (Through December 14, 2016)**
STUDENT LIST SHOWS EXACTLY THOSE STUDENTS WHO NEED ASSISTANCE
STUDENT-LEVEL INFORMATION PROVIDES ACCESS TO DETAILS
INTERVENTION CATALOG SHOWS SUMMARY AND ANY INTERVENTIONS ALREADY IN PLACE

Yolanda U. Meacham

Student Interventions

EARLY WARNING SYSTEM INDICATORS

ATTENDANCE: 82.7%  
SCHOOL CODE OF CONDUCT: 0  
STATE REPORTABLE OFFENSES: 1  
MATHEMATICS: 26  
LANGUAGE ARTS: 46

INTerventions

<table>
<thead>
<tr>
<th>Interventions</th>
<th>Start Date</th>
<th>Expected Completion Date</th>
<th>Level</th>
<th>Assigned By</th>
<th>Date Completed</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance Counseling</td>
<td>02/20/2017</td>
<td>03/17/2017</td>
<td>Tier 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOT COMPLETED

Off
BOTTOM HALF OF SCREEN ENABLES SEARCH FOR INTERVENTIONS BASED ON SEVERAL CRITERIA
TEACHER VIEW ALLOWS A TEACHER TO REACH THE SAME LEVEL OF INFORMATION

<table>
<thead>
<tr>
<th>Student</th>
<th>Grade Level</th>
<th>Designations</th>
<th>Metrics Failing</th>
<th>Metrics Caution</th>
<th>Interventions Assigned?</th>
<th>Daily Attendance Rate</th>
<th>School Code of Conduct Incidents</th>
<th>State Reportable Offenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaýa, Juan Z</td>
<td>10th</td>
<td></td>
<td>0</td>
<td>2</td>
<td>52.5 %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Aspegate, Brandon I</td>
<td>10th</td>
<td></td>
<td>0</td>
<td>1</td>
<td>98.7 %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bagby, Melanie K</td>
<td>9th</td>
<td></td>
<td>1</td>
<td>2</td>
<td>52.5 %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Callendar, Jerry K</td>
<td>10th</td>
<td></td>
<td>2</td>
<td>1</td>
<td>88.8 %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Cisneros, Renee P</td>
<td>9th</td>
<td></td>
<td>2</td>
<td>1</td>
<td>87.6 %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Clark, Martha R</td>
<td>9th</td>
<td></td>
<td>2</td>
<td>1</td>
<td>52.5 %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
SUPPORT OPTIONS

PRE-BUILT REPORTS & SCRIPTS

• At A Glance Report
  • Students without schedules
  • Attendance events
  • Academic Marks
  • Student counts (Bldg, District, Grade)
• School Data Load Analysis
• Data Freshness Script
DHSS – DATA HUB SUPPORT SPECIALISTS

Data Hub Support Specialist Network

- Assistance with the publishing, verification, and quality of Data in MiDataHub
- Support and promote regional/county integration
- Assigned geographically by expertise (SIS)
- Promote vendor integration outreach/use
- Monthly Meetings – statewide group
  - Subgroup Meetings – Student Information Systems

Link to: Support Specialist Network

Data Hub Support Team

- support@midatahub.org