Moving the Needle, Using GEMS to Foster Data Driven Decision Making

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MDUC Conference – Sept 26th and 27th 2017
GEMS

- Has a lot to offer, now
- Will continue to evolve
- Can support the sort of highly impactful school-based teams John Hattie describes.
To support data-based reflection...

• Agencies and professional associations can create tools that give impact-oriented educators (even those who don’t have great skill with the tools of data analysis) a set of tools that let quickly and with little effort make data-based performance comparisons with “others like them.”

• School leaders can encourage the use of these tools to find others in similar situations who are making better progress, and can facilitate sharing of information between those experiencing better progress and those looking to improve.

• University researchers can use these systems to gain access to multi-faceted data sets to explore interesting and important questions.
Early Warning System

The Montana EWS model uses readily available school, student, and other live data to identify students who are at risk of dropping out of school. Students are identified as early as 6th grade so that action may be taken by school officials.

GEMS

Montana's Statewide Longitudinal Education Data System

Welcome! This data reporting system provides access to multiple years of data and interactive reports on student achievement,
## Side-by-Side Comparison

You can compare any schools or districts throughout the entire state of Montana. To begin, just select a school or district from the dropdown list and click 'Add'. To remove any school or district, just click 'Remove'. To clear your list (i.e., start over) or return to the map tool, click on the appropriate link below.

### Clear Your List

- Pine Creek 6-8
  - Livingston, MT
  - View Profile
  - Remove

- Sleeping Giant Middle Sch
  - Livingston, MT
  - View Profile
  - Remove

### Add a School/District

**Remove items from list to switch between schools / districts**

**School**

- Pine Creek 7-8
- Sleeping Giant Middle Sch

**District**

- No
- Yes

### Information about School/District Programs and Courses

<table>
<thead>
<tr>
<th></th>
<th>Pine Creek 6-8</th>
<th>Sleeping Giant Middle Sch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does this school offer a 4-day class week?</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Is this school a middle school?</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Does this school offer a 7-8 grade program?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>List of grades offered by the school?</td>
<td>7 - 8</td>
<td>6 - 8</td>
</tr>
</tbody>
</table>
FAFSA Completion Report

The FAFSA Completion Report provides secure access to school counselors and other authorized school personnel to view the status of each high school senior's completion status on the Free Application for Federal Student Aid (FAFSA) in each school year.

Resources

We provide schools, policy makers, parents and the public with unprecedented access to data and reports regarding Montana's public education system. Here are some resources to help guide you through GEMS. Please visit our Training Center for a complete set of our helpful resources.
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Free Electronic Transcripts

As part of the OPI's K20 Data Project, the Montana e-Transcript Initiative establishes data linkages between policymakers, educators, families, and secondary partners.

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FAFSA Completion Report (login required)
Student Achievement

Here you’ll find a variety of information that measures Montana student achievement. This includes statewide annual assessment data, National Assessment of Education Progress (NAEP) scores, ACT scores, high school equivalency information and English language proficiency data.

Frequently-viewed reports include:

- Student Achievement Dashboard
- Statewide Assessment
- National Assessment of Educational Progress (NAEP)
- ACT Test Scores
Growth and Enhancement of Montana Students

GEMS > Student Achievement

Overview

Student Achievement Overview
Student Achievement Dashboard
List of Quick Facts

Accountability

Statewide Assessment
Smarter Balanced Assessment Proficiency Levels
MontCAS (CRT) Proficiency Comparisons by Subgroup
MontCAS (CRT) Proficiency Trends

National Assessment

ACT
ACT Test Scores
ACT College Readiness

NAEP
National Assessment of Educational Progress (NAEP)

Progress (NAEP) scores, ACT scores, high school equivalency information and English

Montana Office of Public Instruction
Erie Ametzen, Superintendent
Criteria Selection for Menu Below is by LE (LEA) and School. The number for each are the LE Number and School Code.
ACT College Readiness Dashboard

Percent Of Students At Or Above College Readiness Benchmark Of 22 Using Composite Score

Distribution Of Composite ACT Scores

Right – Click On Graph

Select Measures:
- Filter
- Pivot

Report Type:
- Grid
- Bar Chart
- Stacked Bar Chart
- 100% Stacked Bar Chart
- Line Chart
- Line Chart with Markers
- Pie Chart
<table>
<thead>
<tr>
<th>Beginning Fiscal Year</th>
<th>Ending Fiscal Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY2016</td>
<td>FY2017</td>
</tr>
</tbody>
</table>

State/Legal Entity: State

View Report

Parameter Based Report Help
Where might these data dashboards become?
Two Very Good Examples

• Link to the National Center for Education Statistics’ “Data Explorer” using the National Assessment of Educational Progress:


• The Nation’s Report Card “Data Tools” Site:
https://www.nationsreportcard.gov/data_tools.aspx
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Contact Information

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