Data4SS? Inform? Benchmark? RDI?

How does this all fit together?

A presentation by Mike Oswalt and the Calhoun ISD Data4SS Team

Modified for Monroe County use in Data4SS training by Kathy Berry

Presentation Purpose

- To deepen understanding of
  - Data 4SS Professional Development Resources and Data Tools used in school districts to inform continuous school improvement
  - How local warehouses (RDI) and D4SS resources complement each other

The Journey

- **Early 2000s**
  - ◦ Professional Development for educators began to focus on analyzing classroom data in order to inform instruction

- **2005 – MAISA Data Warehouse Survey**
  - ◦ ISDs begin to choose data warehouses
  - ◦ Approximately 13 ISDs had implemented a 'Data Warehouse' by 2005

- **2009**
  - ◦ 57 ISDs are using, or about to use, a data warehouse

The Journey

What is a Data Warehouse?

MAISA Definition (supported by MSBO)

- A collection of various sets of data found in a variety of unrelated locations and formats brought into one location

- It will allow districts to ask complex questions and find answers that uncover underlying problems – leading to the design of data driven student achievement and school improvement strategies.

- In short – Inquiry Based Decision Making

The Journey

- ## The tool: Data Warehouse
  - Collection of data that includes state assessments, common district assessments, classroom assessments and student demographic data
- ## The key: Professional Development
  - Consistent and frequent professional development for district and building administrators and teachers focused on analyzing data through inquiry

Data Analysis Requires Inquiry

- All data mining efforts must be based on inquiry – asking the right questions, and then asking more questions of the answers in order to make informed decisions.

  "The New Stupid." Educational Leadership Dec/Jan (2009)

- "The essential-questions approach provides the fuel that drives collaborative analysis."

  "Answering the Questions that Count." Educational Leadership Dec/Jan (2009)

The Journey

- State of Michigan focused on creating a tool for districts to access state assessment data online, and to help educators learn how to analyze the data

- Calhoun ISD led a partnership with Shiawassee RESD and Macomb ISD and applied for a grant designed to address these needs

- Awarded in January 2007:
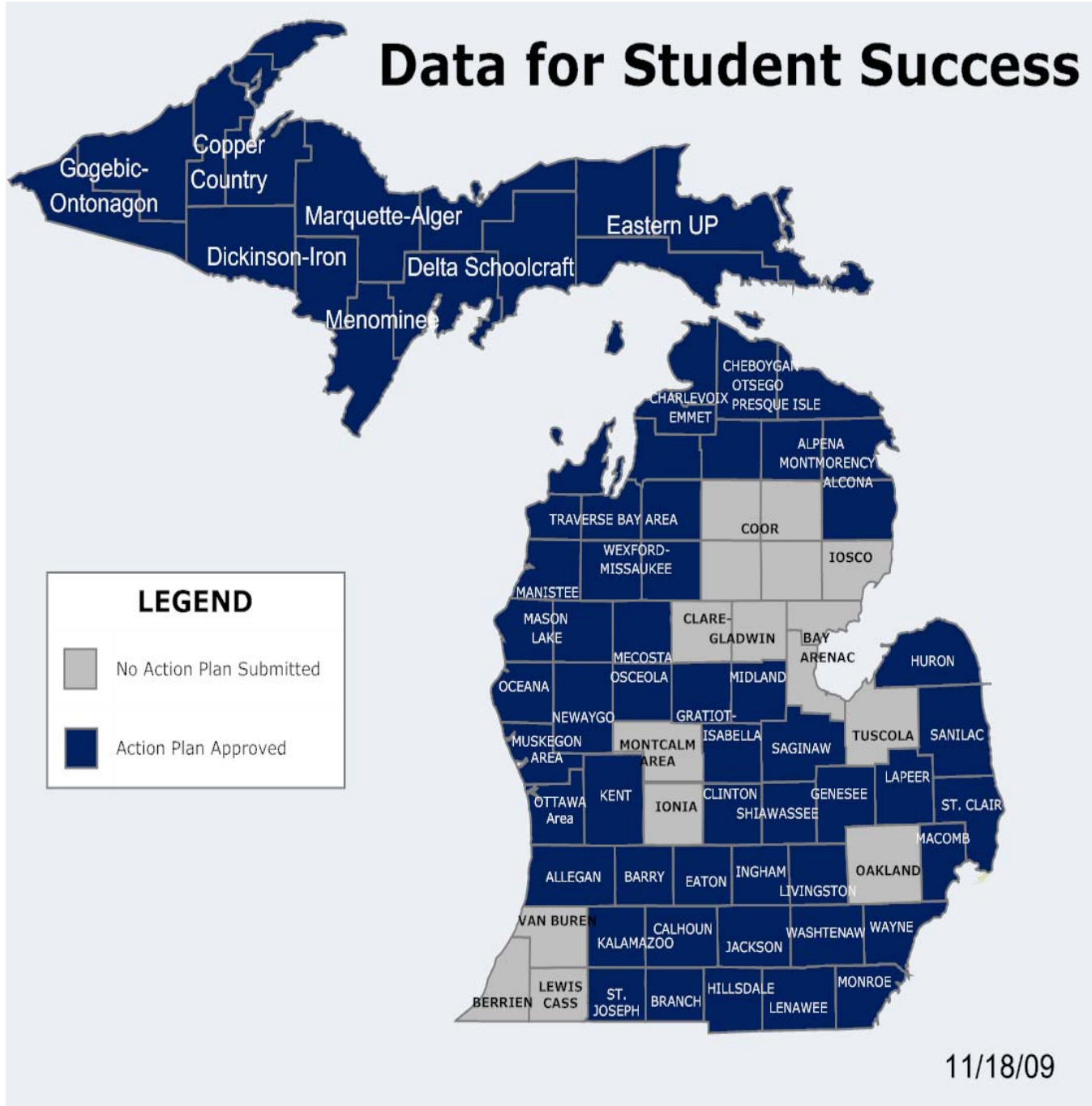 Data for Student Success began

The Journey

- Data for Student Success Major Accomplishments:
  - Eight Professional Development modules created
  - Inquiry tool created (MEAP, MME, Mi-Access)
  - Reporting tool created (CNA, PA 25)
  - 57 ISDs trained in how to use the Data 4SS resources
  - Provide funds to ISDs to help begin the professional development support
  - www.data4ss.org
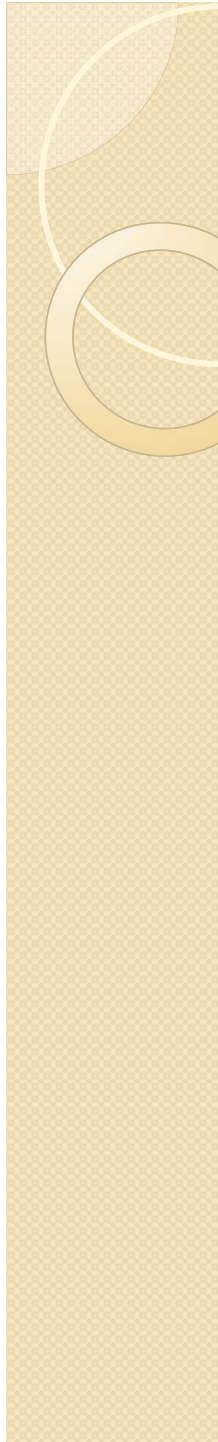
How do Data4SS and Data Warehouses (RDI) complement each other?

- The Data Tools
- The Professional Development Resources

How do Data4SS and Data Warehouses (RDI) <u>data tools</u> complement each other?

- Together they provide the ability to triangulate data from multiple sources
  - Both provide non-negotiable state data
    - Data4SS is based on enrollment at time of MEAP
    - Data Warehouse is based on live/current enrollment
  - Data Warehouse provides analysis of district required assessments
  - Data Warehouse provides analysis of classroom performance data
  - Data Warehouse provides frequent systematic monitoring for growth to avoid unexpected results

Example using Inform & Benchmark
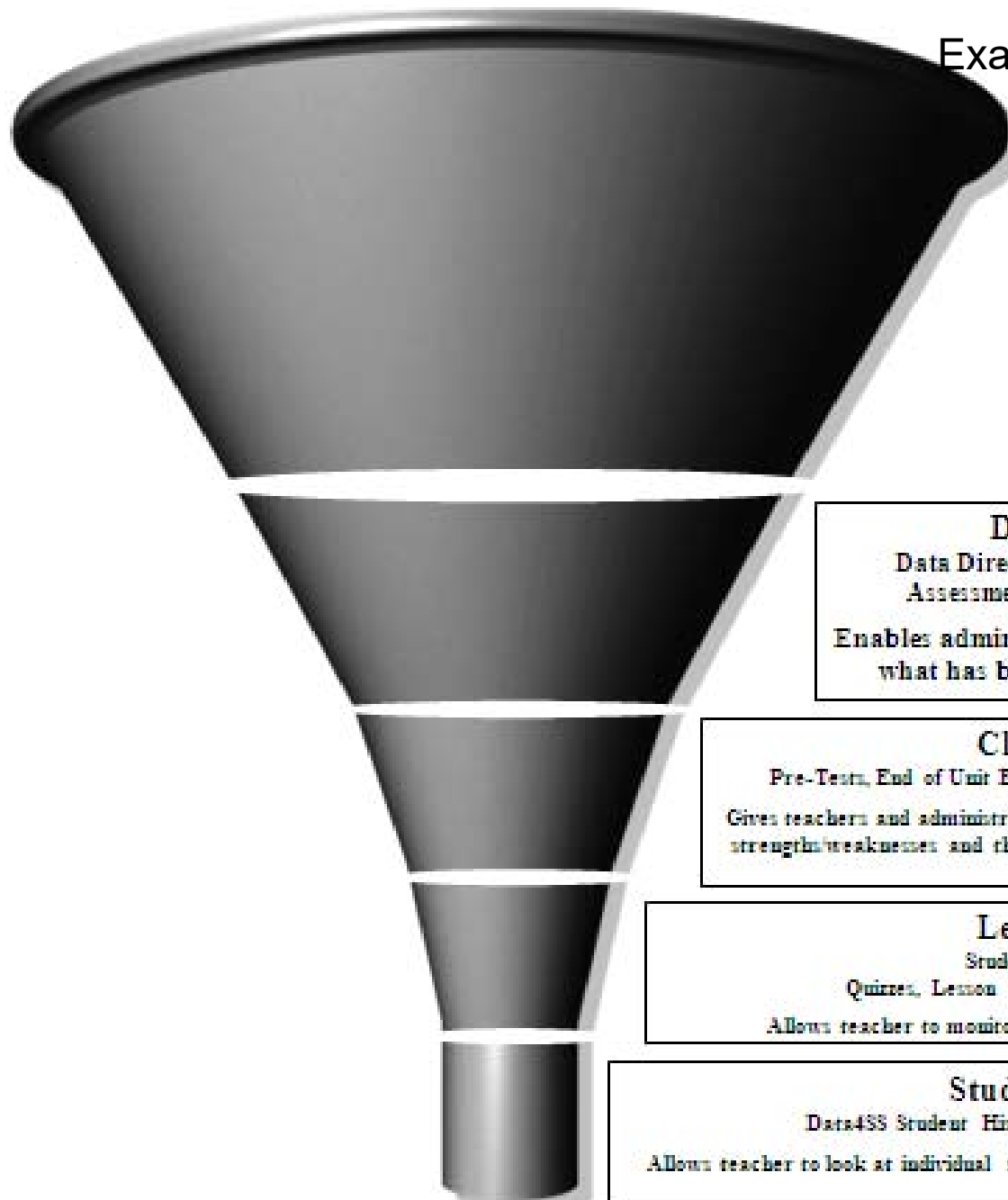
State Level Data

Data4SS Inquiries
Data Director MEAP/MME Reports

Allows District/Building level administrators to get an overall picture of areas of strengths and weaknesses. Can be used to identify trends in the district/building.

District/Building Level Data

Data Director End of Term Assessments, End of Year Assessments, Benchmark Assessments, M/S Exams

Enables administrators/educators to focus on the results of what has been taught in the classroom and areas of

Classroom Level Data

Pre-Tests, End of Unit Exams, Mid Term Exams, End of Chapter Exams

Gives teachers and administrators the tools to identify specific standards that are strengths/weaknesses and the ability to make curriculum decisions based on that data.

Lesson Level Data

Student Information System
Quizzes, Lesson questioning, Classwork, Homework

Allows teacher to monitor of objectives of lesson are being achieved.

Student Level Data

Data4SS Student History, Data Director Student Inquiry

Allows teacher to look at individual student data in order to tailor instruction to student needs.

Example of how local warehouses and D4SS resources complement each other

Tool	State	District	Building	Classroom	Student
Data4SS MEAP Proficiency	X	X	X		X
Data4SS Comparative Item Analysis	X	X	X		X
Data4SS Students Near Proficiency	X	X	X		X
Data4SS Cohort Proficiency	X	X	X		X
Data4SS Student History					X
Inform MEAP Reports		X	X	X	X
Inform MEAP/MME Percent Proficiency		X	X	X	X
Inform MEAP Pivot Table		X	X	X	X
Inform MEAP/MME Percent Proficient Trend Analysis		X	X	X	X
Benchmark and Inform Exam and Assessment Reports		X	X	X	X
Inform MEAP Strand and GLCE Analysis		X	X	X	X
Inform Local User-Entry Assessment Reports (DIBELS, QRI, other rubric based)		X	X	X	X
Inform Student Profile					X

Data and Inquiry Tools at a Glance

Data for Student Success Inquiry Tool

- Historical data:
  - State, District, School and student level
- Inquiry tools:
  - MEAP
  - MEAP Cohort Comparison
  - MEAP Strand, GLCE, Item Analysis
  - Students Near MEAP Proficiency
  - Student History
  - MME
  - Mi-ACCESS

Inform

- Current data:
  - District, school, grade, teacher and student level
- Inquiry tools:
  - MEAP
  - Cohort Comparison for MEAP, grades, test series
  - MEAP Strand, GLCE Analysis, Item Analysis
  - MEAP and MME Percent Proficient
  - Student Profile
  - Other imported assessments (Explore, PLAN, etc.)
  - User-entry Local Assessments
  - Import Benchmark test data

When do you use each resource?

When asking these questions about where to find data:

Where can I view a single year's MEAP/MME data?

Data4SS MEAP Proficiency Inquiry

Pearson Inform MEAP Reports & Queries

Where can I compare scores of two year's of MEAP data?

Data4SS MEAP Proficiency Inquiry

Data4SS Cohort Proficiency Inquiry

Pearson Inform's MEAP Cohort Reports

Other customized Pearson Inform MEAP queries

Where can I look at the performance of AYP sub-groups on MEAP/MME?

Data4SS MEAP Proficiency Inquiry

Pearson Inform's queries using group/filter data

Where can I view MEAP/MME trend data over a number of years?

Data4SS MEAP/MME Proficiency Inquiry

Pearson Inform multi-year MEAP reports

Where can I see the specific areas of strength and weakness in student performance?

Data4SS Comparative Item Analysis Inquiry

Pearson Inform MEAP/MME Strand and GLCE Analysis

Pearson Inform Common Local Assessment Reports

Pearson Inform End of Course Exams

Pearson Benchmark Assessment Reports

Where do I find out which students are close to proficiency?

Data4SS Students Near Proficiency Inquiry

Pearson Inform queries using thresholds of proficiency

Where do I go to find out more information about my students?

Data4SS Student History Inquiry

Pearson Inform Student Profile Reports

Pearson Benchmark Student Profile Reports

The BIG difference between Data 4SS and Pearson Inform

Data 4SS

Shows historical data for all students who took the MEAP, MME, or MI-Access assessments. Data are used to <u>inform</u> users about AYP.

Inquiries are identical to OEAA reports.

Pearson Inform

Shows data <u>successfully imported or recorded</u> for past and current students. Should not be used for AYP purposes. Inquiries should be <u>close to</u> figures in OEAA reports.

Example of how Data4SS and Pearson Inform complement each other

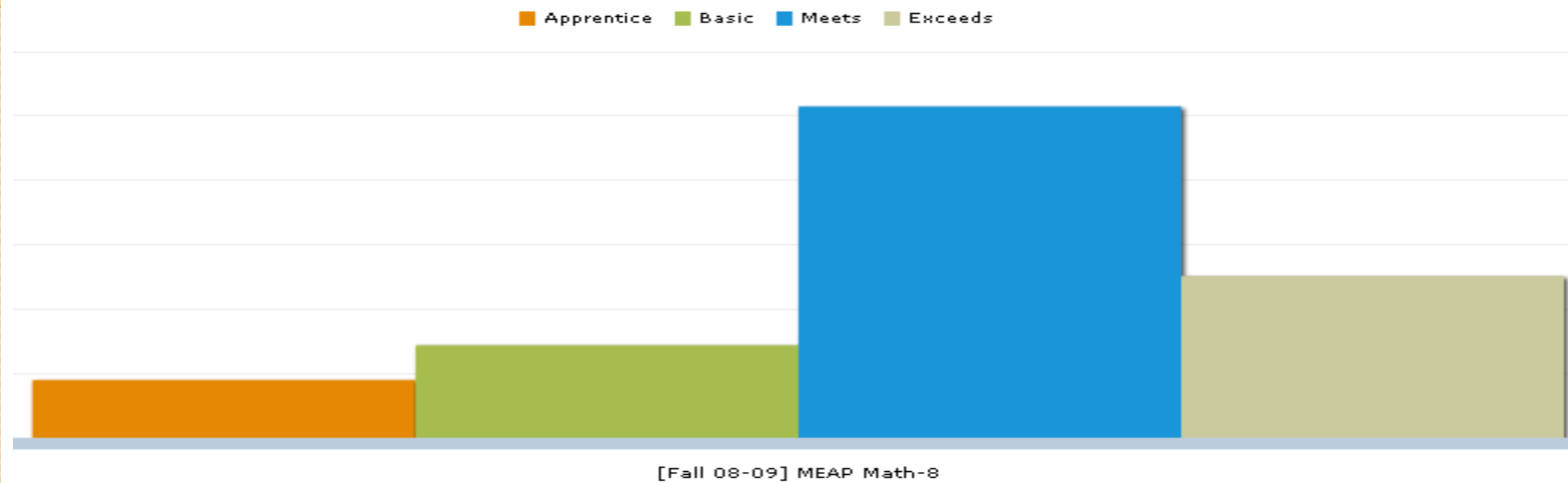How to incorporate both tools into local professional development?

Question:

- What area of mathematics in 8th grade needs improvement?

Pearson Inform: MEAP Proficiency
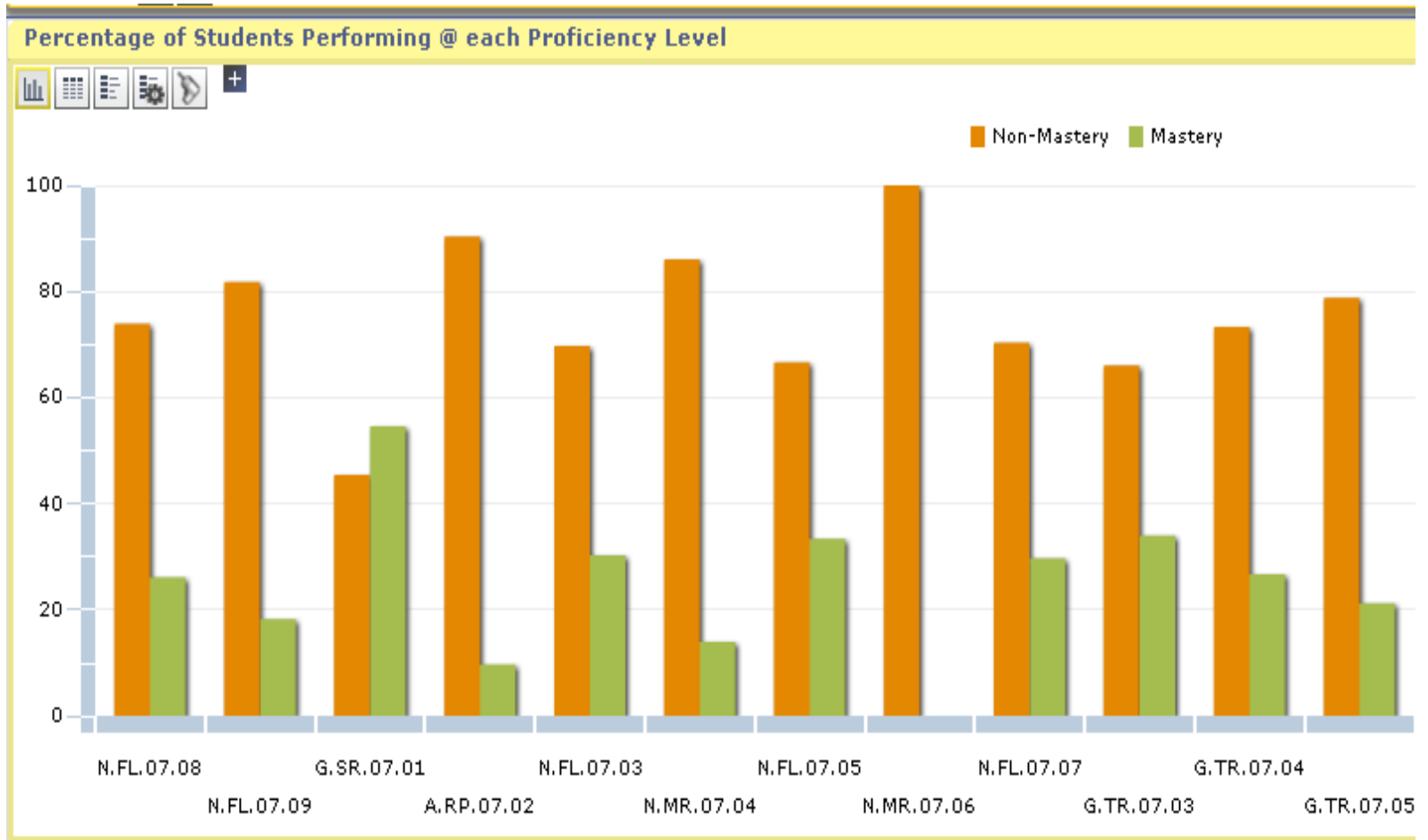
- 8th Grade – Fall 2008 Mathematics MEAP

Apprentice ▪ Basic ▪ Meets ▪ Exceeds

[Fall 08-09] MEAP Math-8

Percentage of Students Performing @ each Proficiency Level

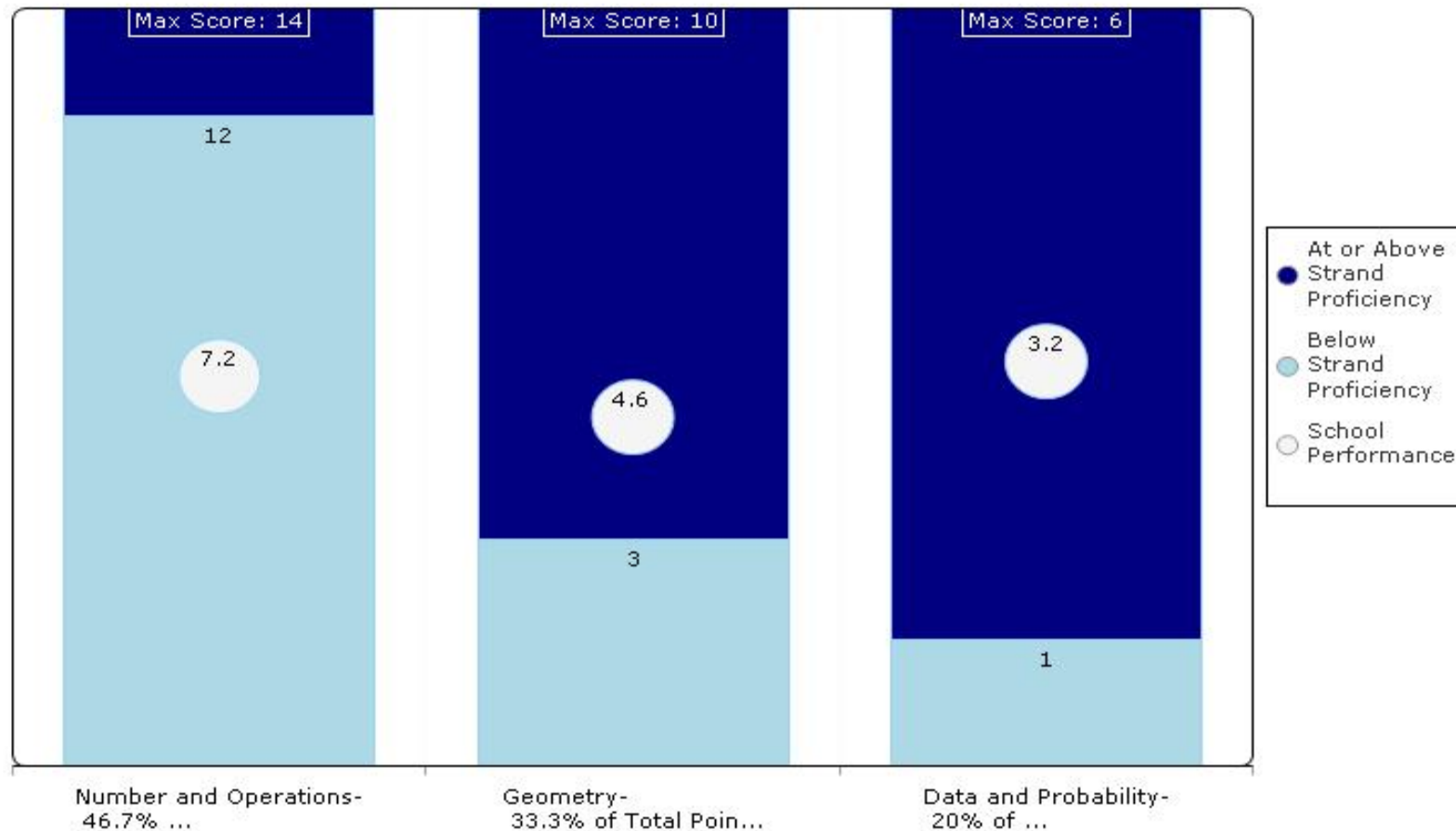| Assessment	Total		Apprentice			Basic			Meets			Exceeds		
	#	Avg	#	%	Avg	#	%	Avg	#	%	Avg	#	%	Avg
[Fall 08-09] MEAP Math-8	167	816.26	15	8.98	774.66	24	14.37	791	86	51.49	813.58	42	25.14	851.04

Pearson Inform – GLCE/HSCE Performance Analysis

Data4SS: Item Analysis

Mathematics Comparative Item Analysis (Strand Level) for ____ Grade: 08
2008/2009 School Year
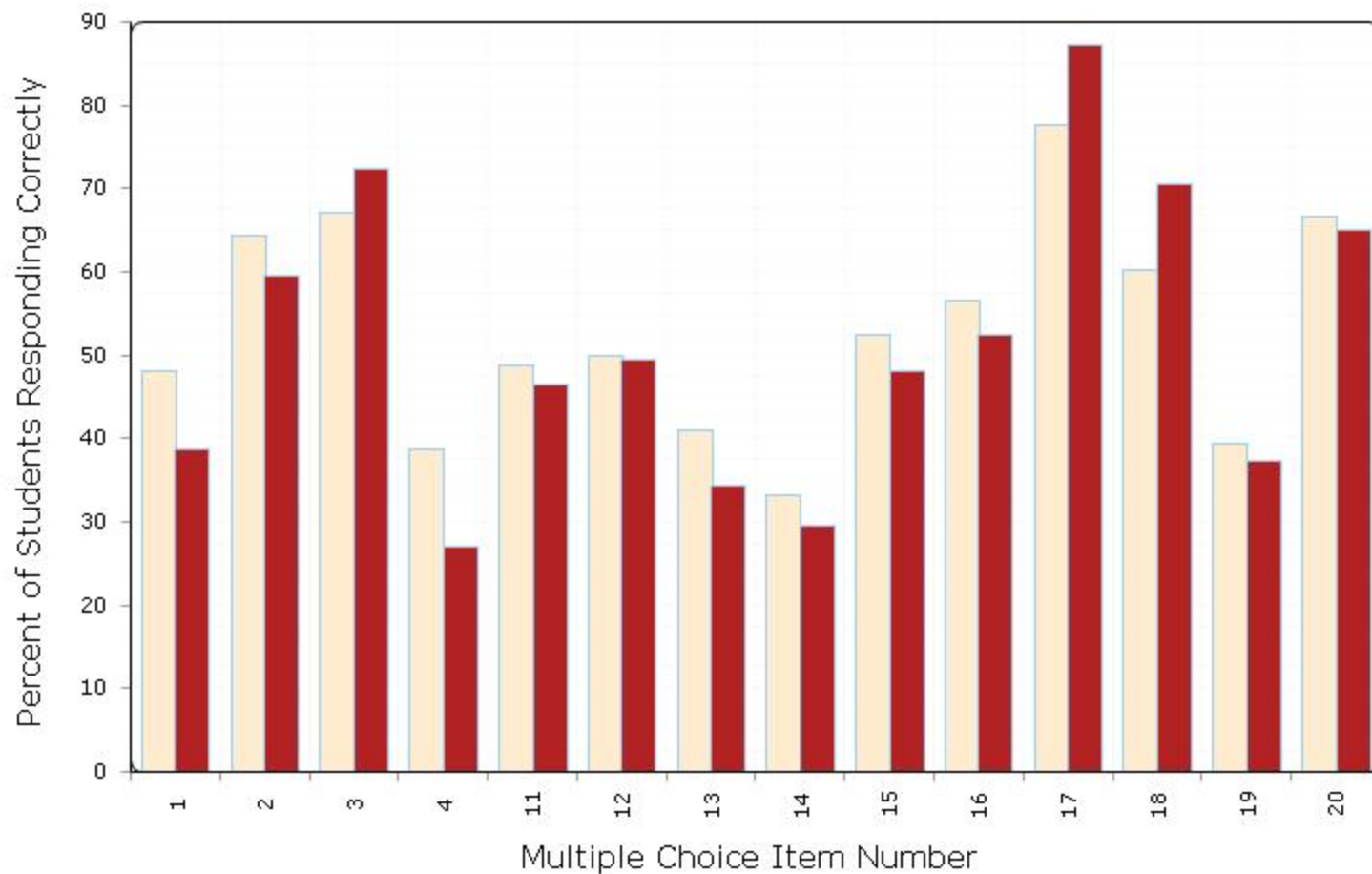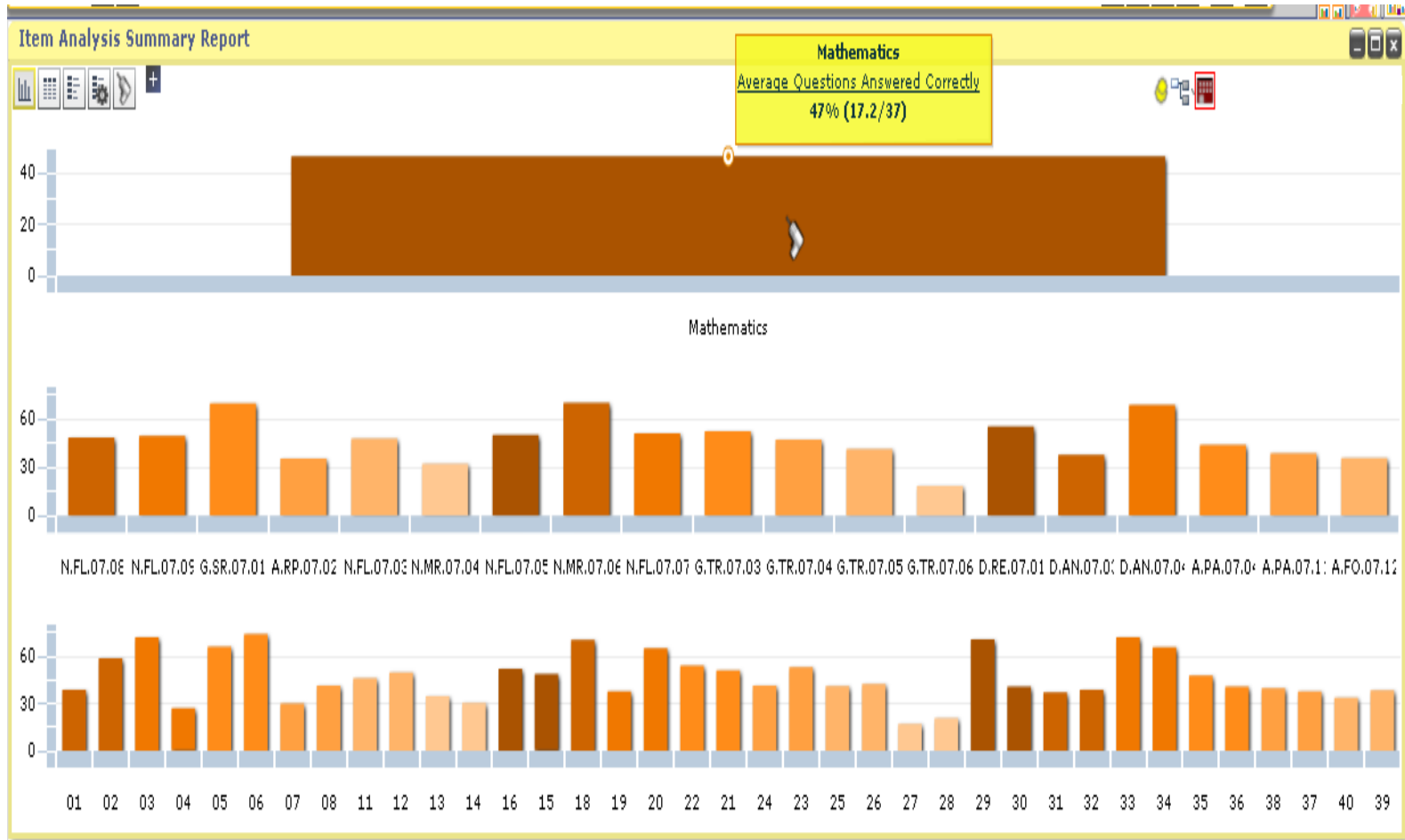
Data4SS: Item Analysis Numbers and Operations

Pearson Inform: Item Analysis for the same MEAP8 Math 08-09

Data4SS: Item Analysis Numbers and Operations

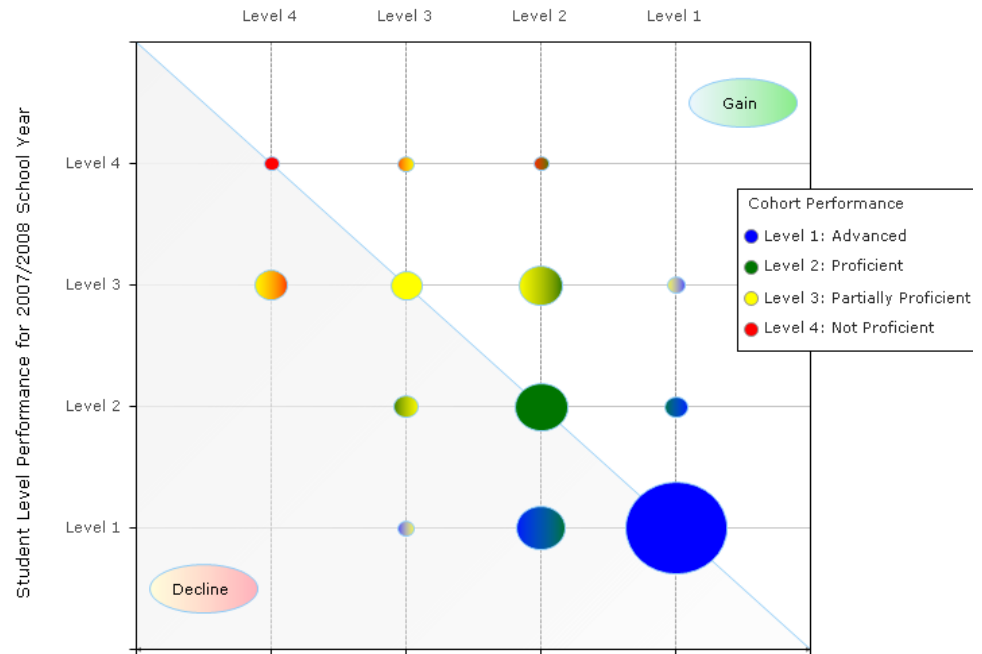| Item Number	Student Count	% School Correct	% State Correct	GLCE	Description
7	87	60.92%	83.76%	N.FL.07.03	Calculate rates of change, including speed
8	87	42.53%	66.96%	N.FL.07.03	Calculate rates of change, including speed
9	87	45.98%	78.31%	N.FL.07.03	Calculate rates of change, including speed
34	87	71.26%	75.46%	N.FL.07.05	Solve proportion problems
35	87	49.43%	67.9%	N.FL.07.05	Solve proportion problems
36	87	34.48%	58.67%	N.FL.07.05	Solve proportion problems
40	87	57.47%	73.14%	N.FL.07.07	Solve problems involving operations with integers
41	87	60.92%	76.05%	N.FL.07.07	Solve problems involving operations with integers
42	87	27.59%	46.54%	N.FL.07.07	Solve problems involving operations with integers
1	87	62.07%	71.89%	N.FL.07.08	Add, subtract, multiply and divide rational numbers
2	87	47.13%	67.17%	N.FL.07.08	Add, subtract, multiply and divide rational numbers
3	87	39.08%	64.1%	N.FL.07.08	Add, subtract, multiply and divide rational numbers
4	87	52.87%	69.24%	N.FL.07.09	Estimate results of computations with rationals
5	87	39.08%	61.53%	N.FL.07.09	Estimate results of computations with rationals
6	87	17.24%	35.82%	N.FL.07.09	Estimate results of computations with rationals
68	20	60%	64.92%	N.MR.07.02	Solve problems involving derived quantities
10	87	43.68%	66.2%	N.MR.07.04	Convert ratio quantities between systems of units
11	87	22.99%	49.18%	N.MR.07.04	Convert ratio quantities between systems of units
12	87	21.84%	30.93%	N.MR.07.04	Convert ratio quantities between systems of units
37	87	26.44%	66.82%	N.MR.07.06	Understand the concept of square root and cube root
38	87	10.34%	23.53%	N.MR.07.06	Understand the concept of square root and cube root
39	87	8.05%	29.93%	N.MR.07.06	Understand the concept of square root and cube root

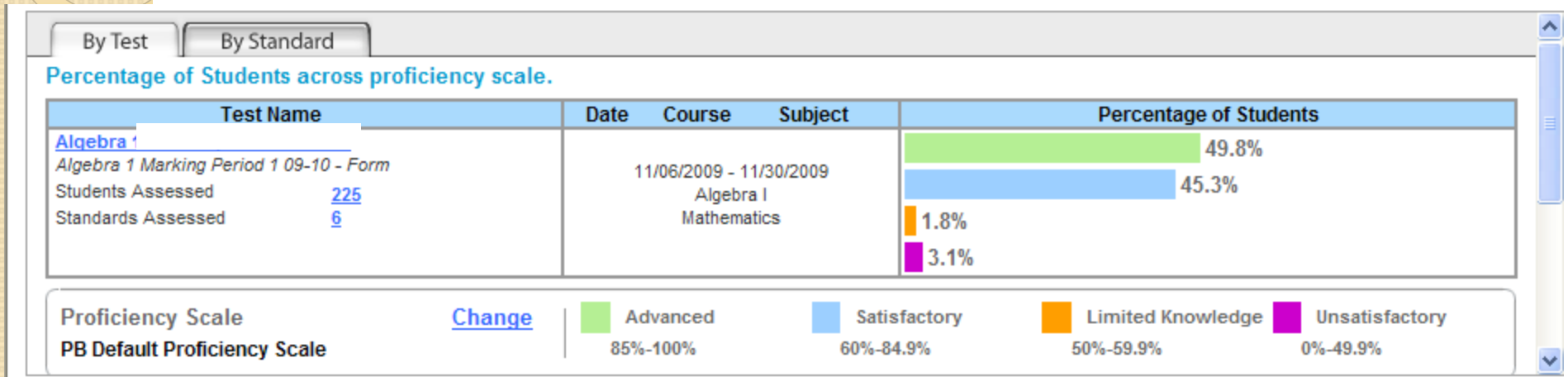# Same Item Analysis Data in Inform

D4SS: MEAP Levels Cohort Proficiency

- 7th Math MEAP compared to 8th Math MEAP

- Next Question: Why are some students improving? Why are some students stagnant or declining?

Pearson Inform & Benchmark: Classroom Assessments

By Test	By Standard

Percentage of Students across proficiency scale.

Test Name	Date	Course	Subject	Percentage of Students
Algebra 1 Algebra 1 Marking Period 1 09-10 - Form Students Assessed — 225 Standards Assessed — 6	11/06/2009 - 11/30/2009	Algebra I	Mathematics	49.8% 45.3% 1.8% 3.1%

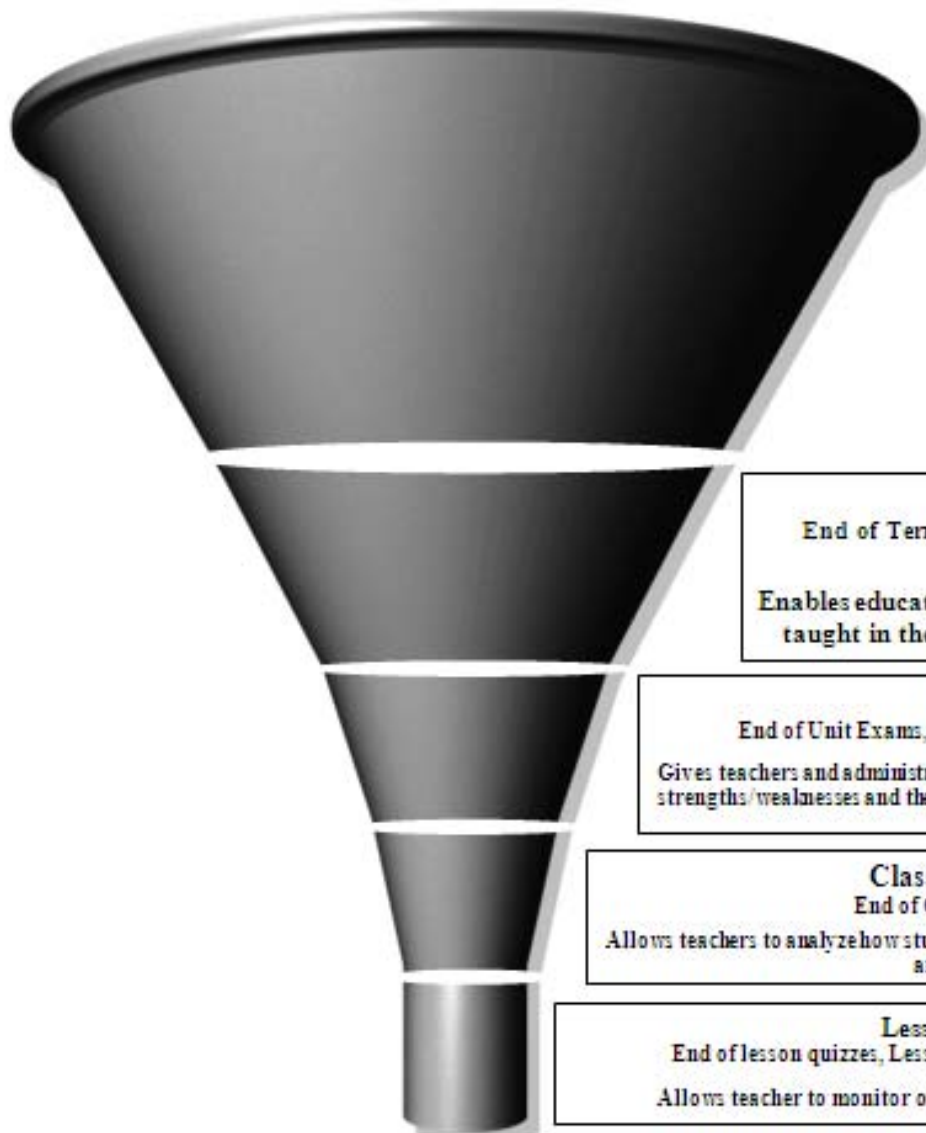| Proficiency Scale	Change	Advanced	Satisfactory	Limited Knowledge	Unsatisfactory
PB Default Proficiency Scale		85%-100%	60%-84.9%	50%-59.9%	0%-49.9%

- Used to determine if students are on track with expectations
- Used as pre and post-tests
- Adjust teaching based on data

More Questions:

- On which HSCE/GLCE are we scoring the best? The worst?

- Is there one or more strand with low scores across the strand?

- How do course grades compare to assessment scores?

- How do grading practices toward homework and tests affect the course grade?

- Are all teachers of a course or of a department grading the same?

State Level Data
Data4SS Inquiries
Data Director MEAP/MME Reports

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Higher Level Data
End of Term Assessments, End of Year Assessments, Benchmark Assessments

Enables educators to focus on the results of what has been taught in the classroom and areas of improvement.

Mid Level Data
End of Unit Exams, M/S Exams, Mid Term Exams, Pre-Tests

Gives teachers and administrators the tools to identify specific standards that are strengths/weaknesses and the ability to make curriculum decisions based on that data

Classroom Level Data
End of Chapter Exams, Quizzes

Allows teachers to analyze how students are progressing toward mastery of standards and unit objectives.

Lesson Level Data
End of lesson quizzes, Lesson questioning, Classwork, Homework

Allows teacher to monitor of objectives of lesson are being achieved.

The following slides show examples of Data 4SS and data warehouse tools for examining state level data…

Data Inventory
(part of Data 4SS PD resources)

Data for Student Success

www.data4ss.org

Assessing Your Culture of Quality Data

Why use data? _____

Long Term – Summative   Medium Term – Summative/Formative   Short Term - Formative
Once a year   Three times a year   Frequently – once a month or more

| Data Source	Data Tool Used (Where)	Content Area	Dates of Collection (When)	Assessment Type (What)	Students Assessed (Who)	What information will this assessment give?	Who uses this data?	How is the data used?	How could we more effectively access and use this data?
MEAP	DATA 4SS	Reading Writing Total ELA Math	October Results -	Long Term	Grades 3-8				
MEAP	DATA 4SS	Science Social Studies	October Results -	Long Term	Science 5,8 Social Studies 6, 9				
MME	DATA 4SS	Reading for information ACT plus Writing Work Keys Science Social Studies	March Results -	Long Term	Grade 11				
NAEP		Reading Mathematics Social Studies Science		Long Term					

CISD

10/08

Data 4SS:
MME Proficiency – Trend Data

Mathematics MME Proficiency Report for DEMO ISD, Disneyland School District, Grzebien High School - Grade 11
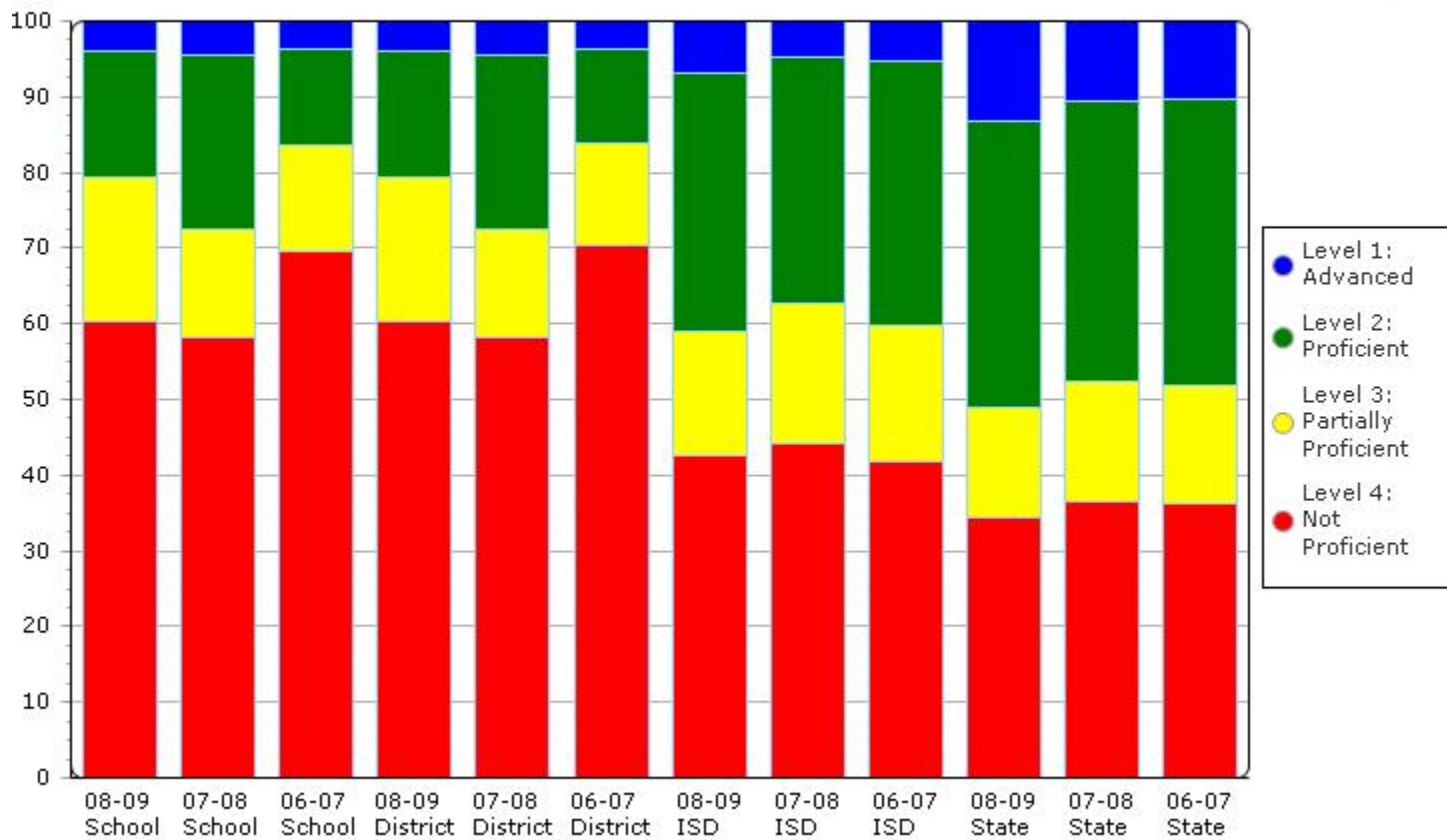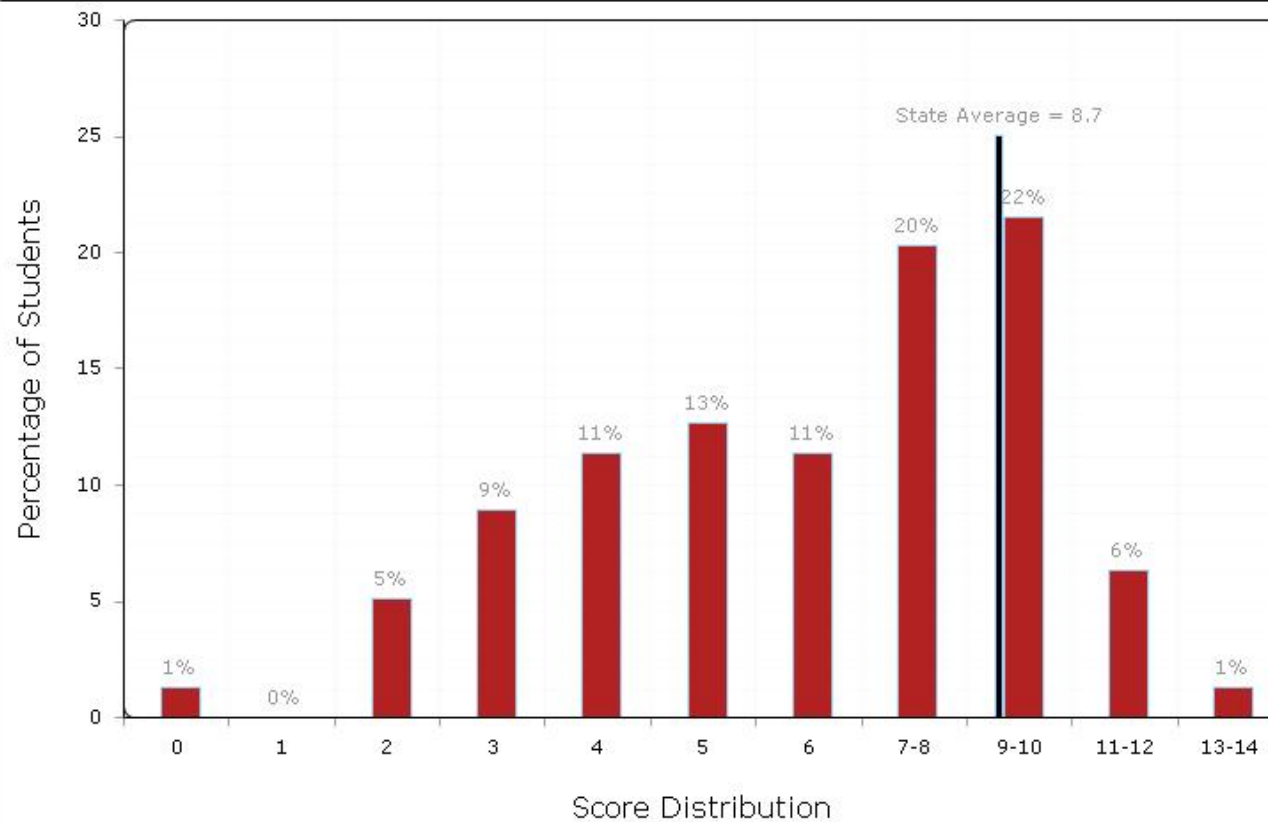
Data 4SS:
MME Proficiency – Current Year

Mathematics MME Proficiency Report for DEMO ISD, Disneyland School District, Grzebien High School, 2008/2009 School Year - Grade 11
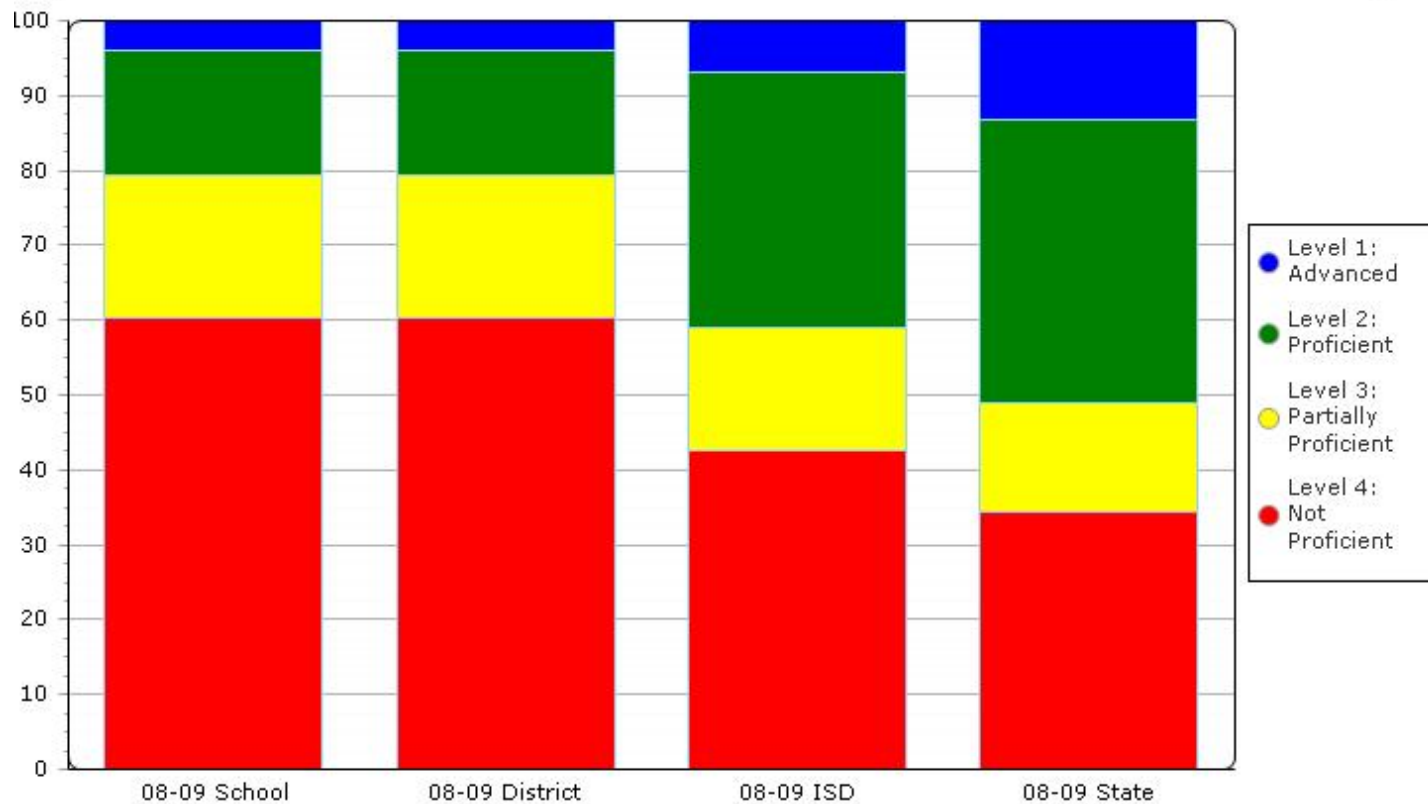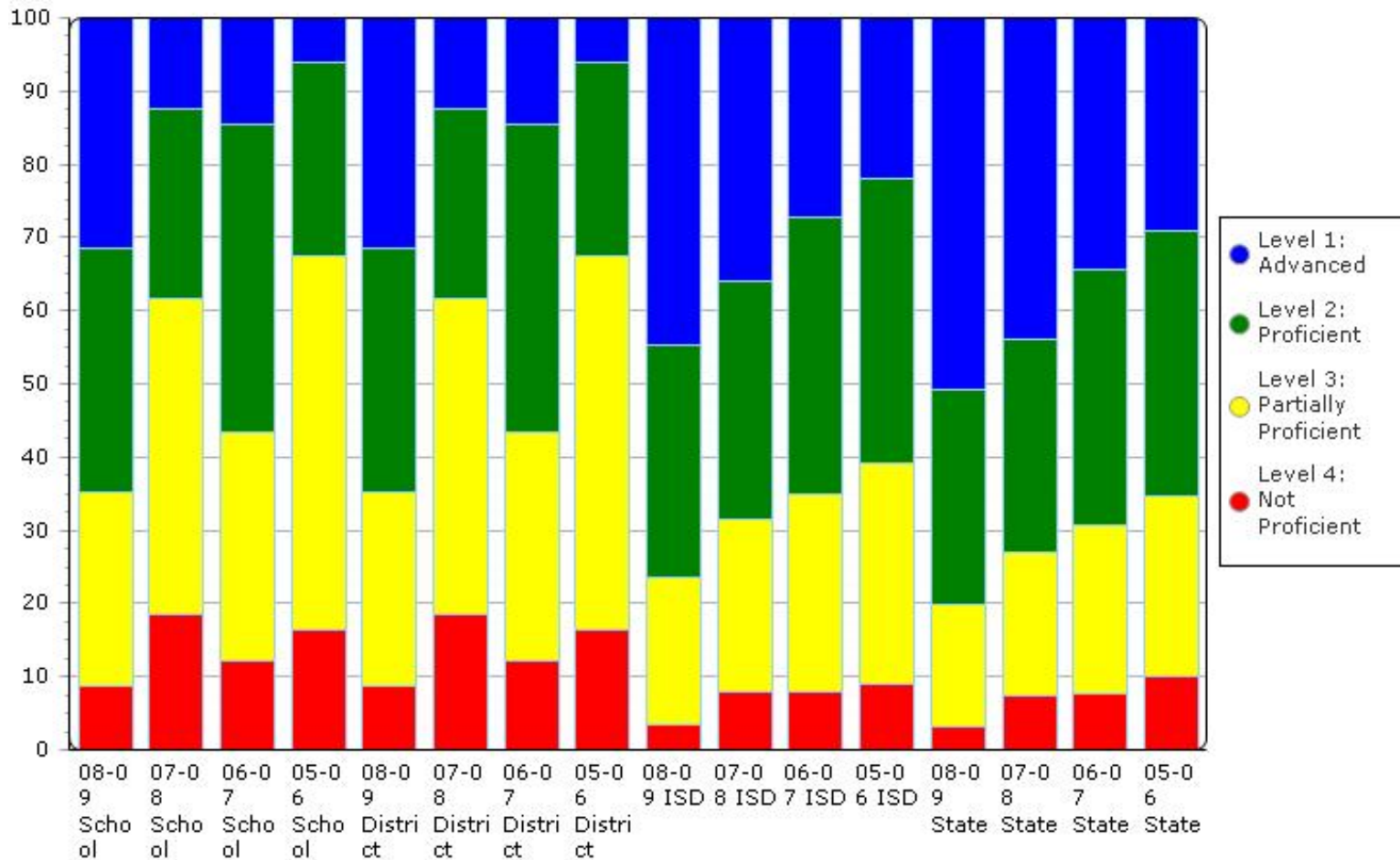
Data 4SS:
MME Standard Analysis

Mathematics Comparative Standard Analysis (Standard: L2 - Calculations, Algorithms) for Grzebien High School 2008/2009 School Year
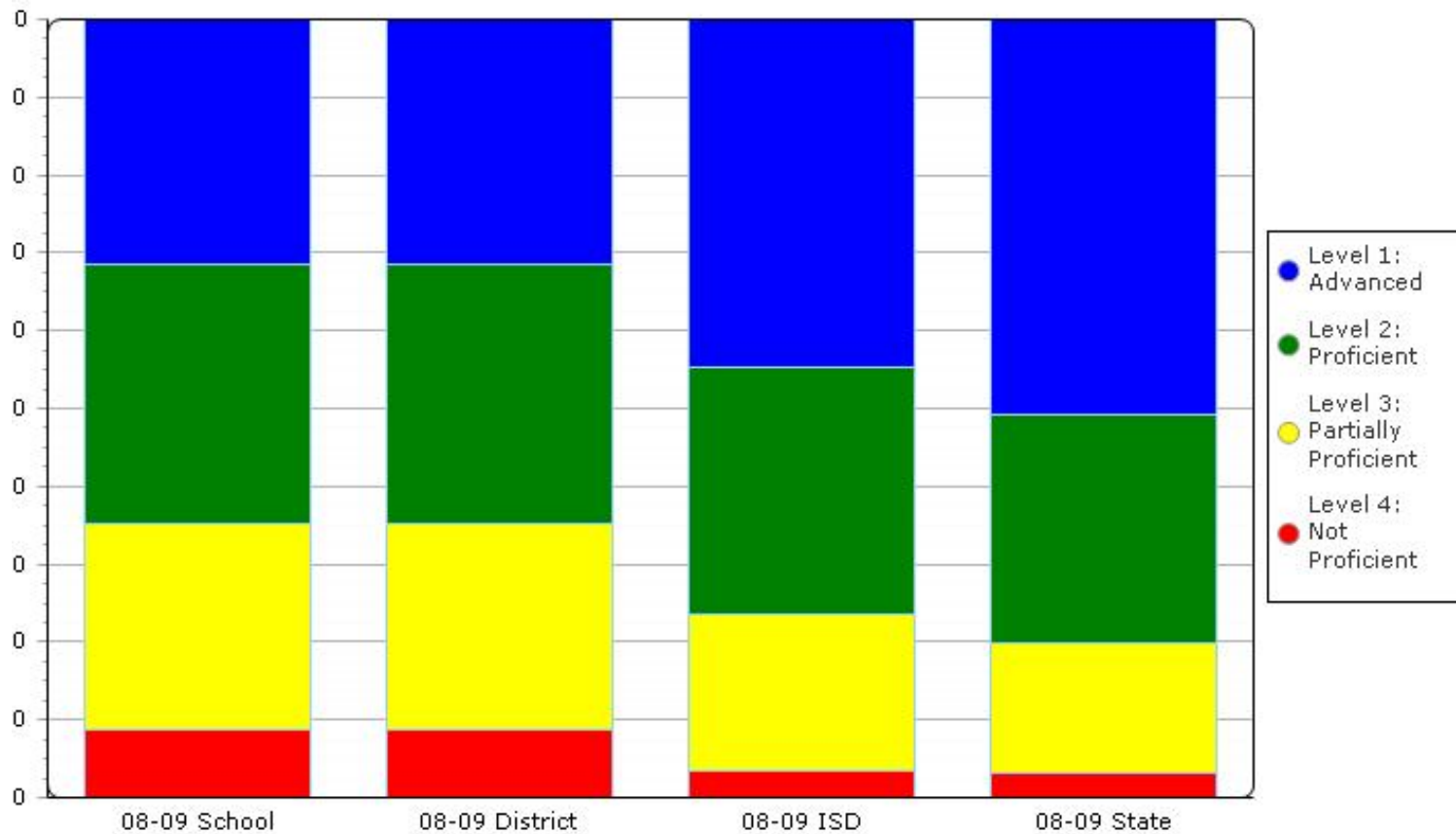School Average: 6.5

Data 4SS:
MEAP Proficiency – Trend Data

Mathematics MEAP Proficiency Report for DEMO ISD, Disneyland School District, Conforme Middle School – Grade 06

Data 4SS:
MEAP Proficiency – Current Year

Data 4SS:
Students Near Proficiency

Students Near Proficiency on Mathematics for DEMO ISD, Disneyland School District, Conforme Middle School - Grade 06 for 2008/2009 School Year

Subject : Mathematics
Inquiry Range : 590 to 610

Cut Score : 600
Overall Range : 569 to 668

Students Near Proficiency within 10 points of 600

Frequency Distribution of Scaled Score for All Students from 569 to 668

● Scores below 600 within 10 points
● Scores at or above 600 within 10 points
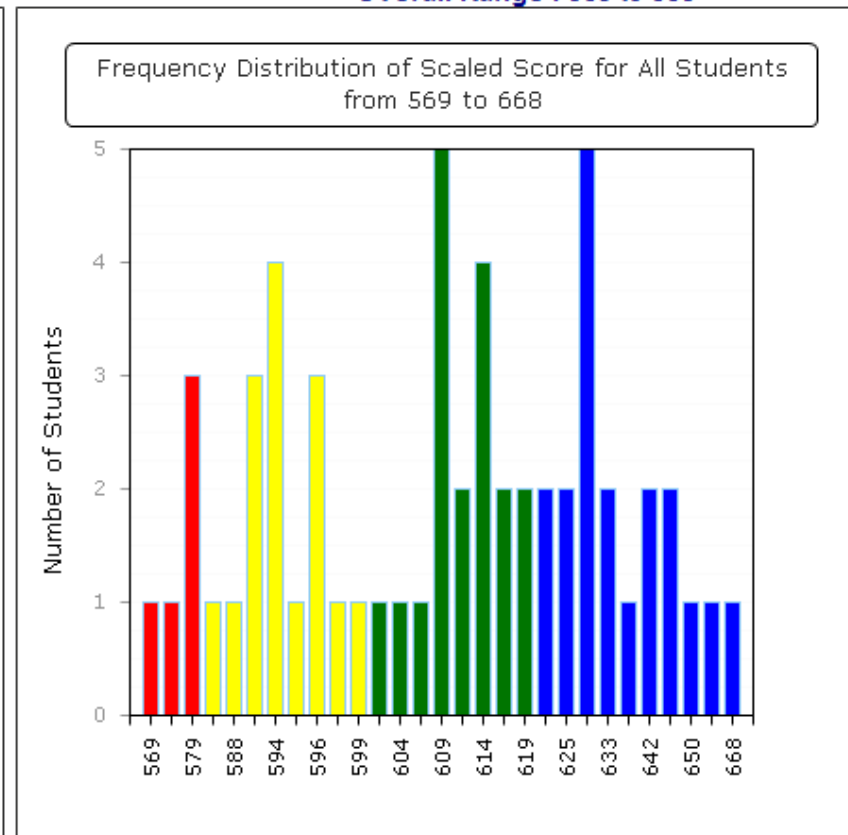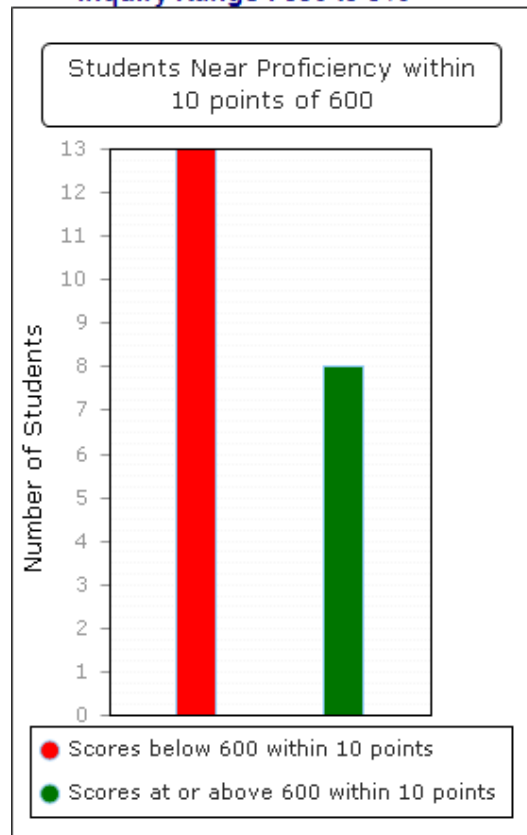
Even More Questions….

- How did our subgroups score?

- What percentage is proficient?

- What percentage is not proficient?

- How close is this subgroup to proficiency?

- What information does this group need to score proficient?

- Continue mining for answers using local data warehouse

- How did we do on next year's MME and MEAP (circle back to Data 4SS inquiry tools)

State Level Data
Data4SS Inquiries
Data Director MEAP/MME Reports

Allows District/Building level administrators to get an overall picture of areas of strengths and weaknesses. Can be used to identify trends in the district/building.

Higher Level Data
End of Term Assessments, End of Year Assessments, Benchmark Assessments

Enables educators to focus on the results of what has been taught in the classroom and areas of improvement.

Mid Level Data
End of Unit Exams, M/S Exams, Mid Term Exams, Pre-Tests

Gives teachers and administrators the tools to identify specific standards that are strengths/weaknesses and the ability to make curriculum decisions based on that data

Classroom Level Data
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Allows teachers to analyze how students are progressing toward mastery of standards and unit objectives.

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End of lesson quizzes, Lesson questioning, Classwork, Homework

Allows teacher to monitor of objectives of lesson are being achieved.

Data Inventory
Higher and Mid Level
(PD Resources)

Data Source	Data Tool Used (Where)	Content Area	Dates of Collection (When)	Assessment Type (What)	Students Assessed (Who)	What information will this assessment give?	Who uses this data?	How is the data used?	How could we more effectively access and use this data?
MLPP Running Records	Data Director	Reading		Long Term Medium Term Short Term					
MLPP Retelling	Data Director	Reading		Long Term Medium Term Short Term					
Dibels	Data Director	Reading		Medium Term – benchmark assessment					
Dibels	Data Director	Reading		Short Term – Progress monitor					
Quarterly Assessments	Data Director	Math		Medium Term					
Quarterly Assessments	Data Director			Medium Term					
Quarterly Assessments	Data Director			Medium Term					
Quarterly Assessments	Data Director			Medium Term					
Common Assessments	Data Director	Science Kits		Medium Term					

Pearson Benchmark Common Assessment Analysis

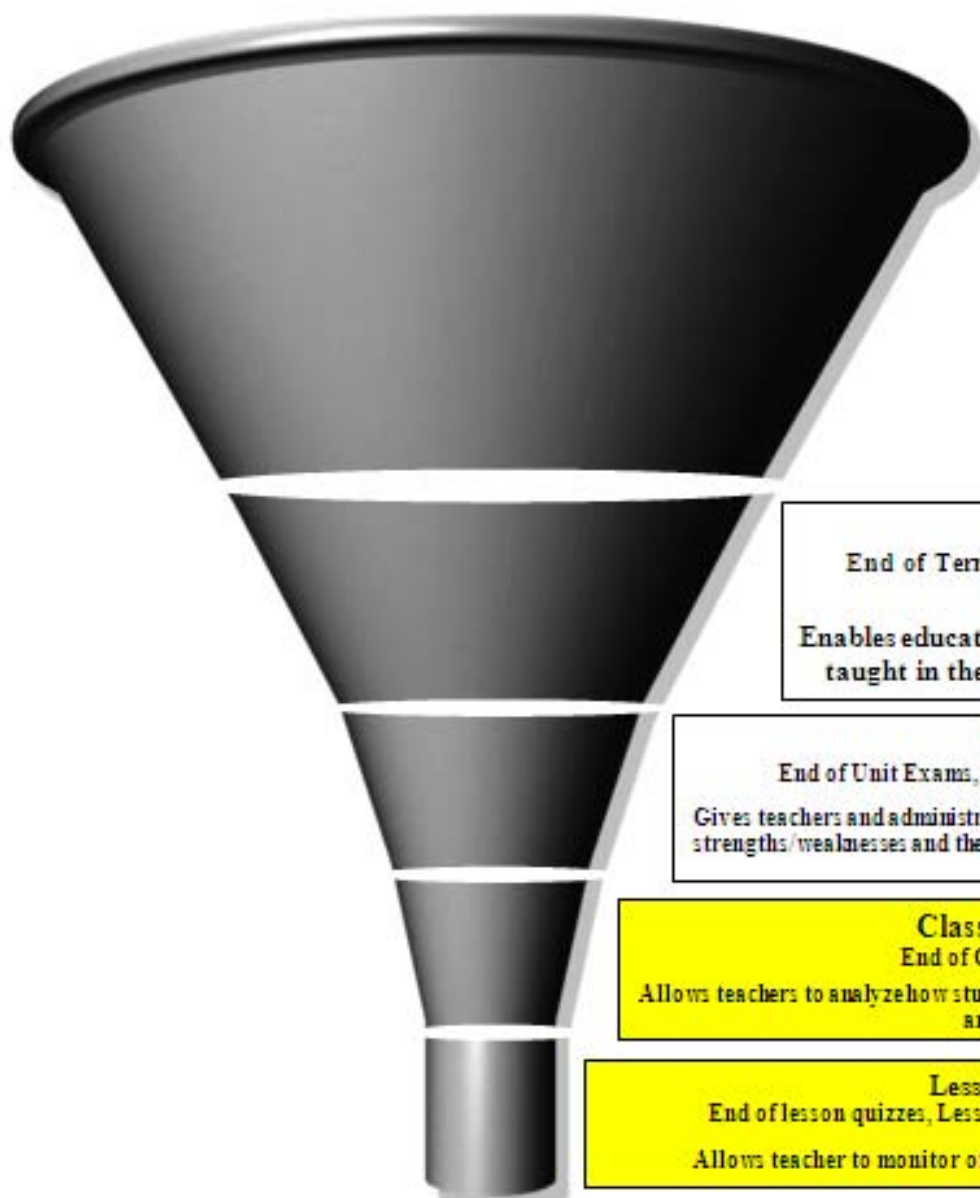| Question	Option 1 (%)	Option 2 (%)	Option 3 (%)	Option 4 (%)	Option 5 (%)	A (Count)	B (Count)	P-Value	Correlation	DI	Correct	Incorrect	Not answered (%)
1	95.11	0.44	2.67	1.33	0.00	224	1	0.95	0.22	-0.01	95.11	4.45	0.44
2	0.44	2.67	5.78	90.67	0.00	224	1	0.91	0.23	0.03	90.67	8.89	0.44
3	12.00	14.67	7.11	66.22	0.00	225	0	0.66	0.16	0.15	66.22	33.78	0
4	6.67	87.11	5.33	0.89	0.00	225	0	0.87	0.23	0.08	87.11	12.89	0
5	1.33	1.33	50.22	46.67	0.00	224	1	0.47	0.37	0.23	46.67	52.89	0.44
6	4.89	1.78	90.22	2.67	0.00	224	1	0.9	0.13	0.05	90.22	9.34	0.44
7	92.44	4.44	1.78	1.33	0.00	225	0	0.92	0.31	0.03	92.44	7.56	0
8	0.44	3.11	95.11	1.33	0.00	225	0	0.95	0.37	0.01	95.11	4.89	0
9	0.89	3.11	95.56	0.44	0.00	225	0	0.96	0.15	0.03	95.56	4.44	0
10	0.44	3.56	0.89	95.11	0.00	225	0	0.95	0.26	0	95.11	4.89	0
11	1.78	9.78	3.56	84.89	0.00	225	0	0.85	0.36	0.01	84.89	15.11	0
12	2.22	90.22	5.78	1.78	0.00	225	0	0.9	0.31	0.04	90.22	9.78	0
13	79.11	3.11	16.44	1.33	0.00	225	0	0.79	0.41	0.06	79.11	20.89	0
14	96.46*	1.33	1.77*	0.44	0.00	226	0	0.96	0.32	0.01	96.46	3.54	0
15	1.33	0.44	97.78	0.00	0.00	224	1	0.98	0.16	0.01	97.78	1.78	0.44
16	0.00	94.22	2.67	3.11	0.00	225	0	0.94	0.23	-0.02	94.22	5.78	0
17	1.33	97.78	0.89	0.00	0.00	225	0	0.98	0.41	0	97.78	2.22	0
18	3.11	94.67	1.33	0.44	0.00	224	1	0.95	0.37	0.02	94.67	4.89	0.44
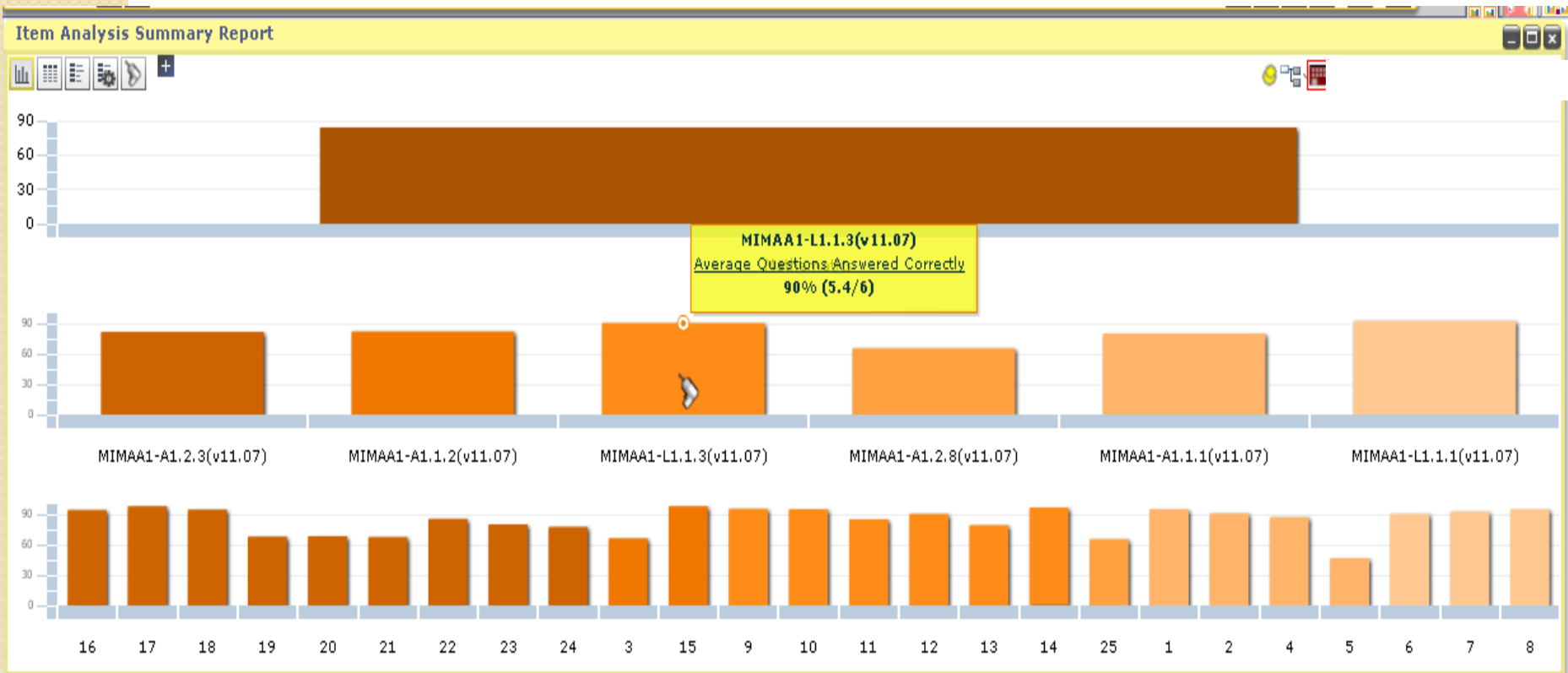
Pearson Inform Item Analysis

Pearson Inform Standard Analysis by Test (can change context)
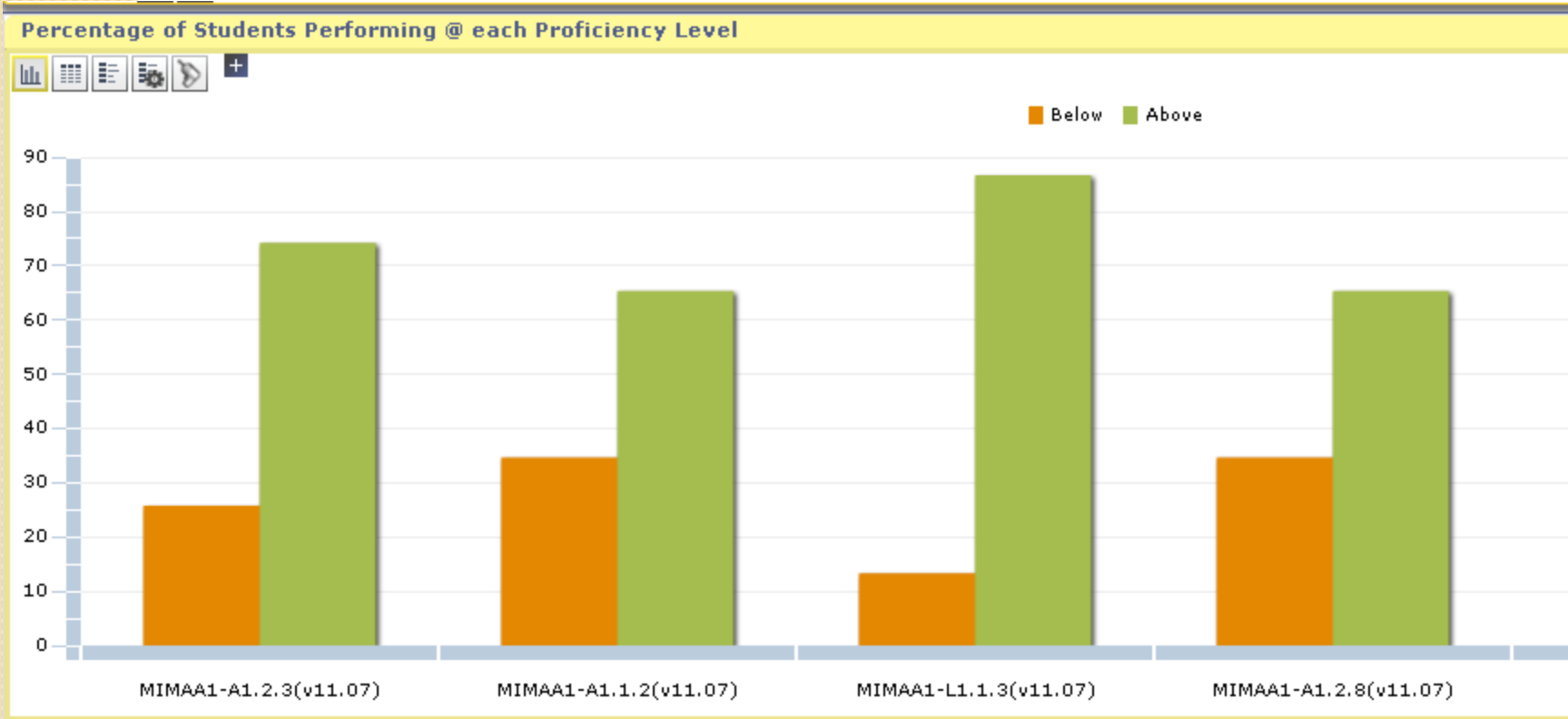
…or by chart:

Percentage of Students Performing @ each Proficiency Level

Concepts		Total		Below	Above
Name	Description	#	Avg	%	%
MIMAA1-A1.2.3(v11.07)	Solve linear and quadratic equations and inequalities including systems of up to thr	225	7.32	25.77	74.22
MIMAA1-A1.1.2(v11.07)	Know the properties of exponents and roots and apply them in algebraic expression	225	1.63	34.66	65.33
MIMAA1-L1.1.3(v11.07)	Explain how the properties of associativity, commutativity, and distributivity, as well	225	5.4	13.33	86.66
MIMAA1-A1.2.8(v11.07)	Solve an equation involving several variables (with numerical or letter coefficients) f	225	0.64	34.66	65.33
MIMAA1-A1.1.1(v11.07)	Give a verbal description of an expression that is presented in symbolic form, write .	225	3.2	16.88	83.11
MIMAA1-L1.1.1(v11.07)	Know the different properties that hold in different number systems and recognize t	225	2.77	16	84

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End of Unit Exams, M/S Exams, Mid Term Exams, Pre-Tests

Gives teachers and administrators the tools to identify specific standards that are strengths/weaknesses and the ability to make curriculum decisions based on that data
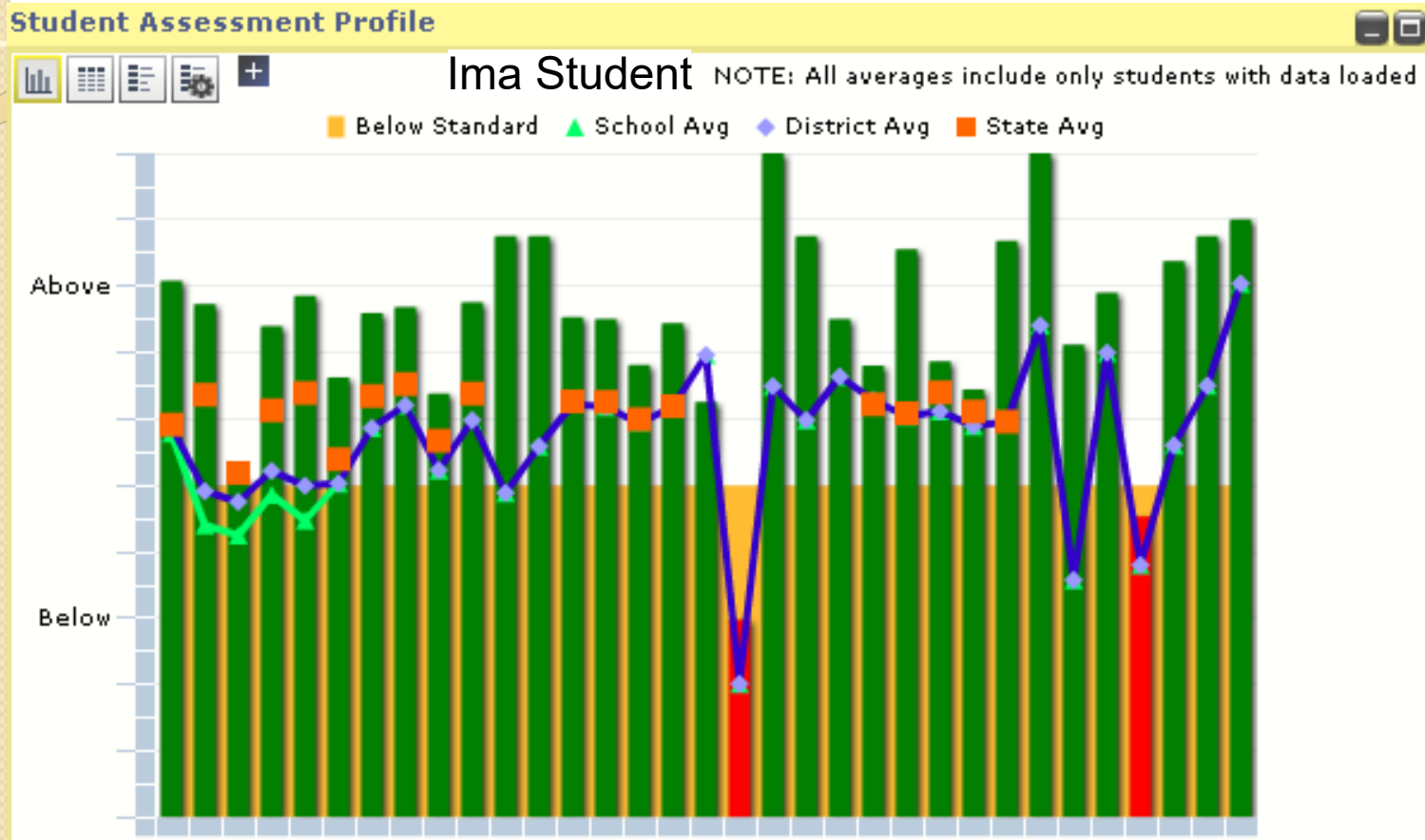
Classroom Level Data
End of Chapter Exams, Quizzes

Allows teachers to analyze how students are progressing toward mastery of standards and unit objectives.

Lesson Level Data
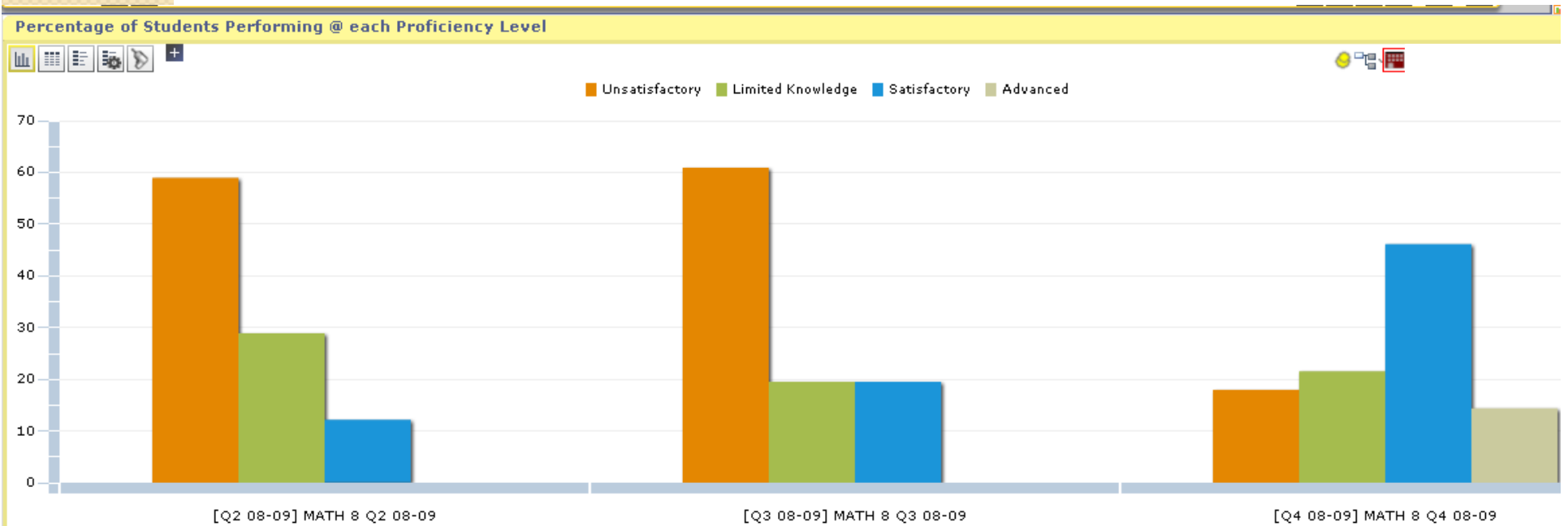End of lesson quizzes, Lesson questioning, Classwork, Homework

Allows teacher to monitor of objectives of lesson are being achieved.

Student Progress Monitoring

Mathematics – Progress Monitoring
Exporting Benchmark to Inform data example

Professional Development is Key

- Data 4SS Cohorts
  - Focus on building a culture of quality data – data + PLCs.
- Pearson Inform & Benchmark Training
  - In-district and with district key contacts
- Professional Learning Communities
  - Superintendents, Building Principals and Building Leadership Teams
- Continued in-district support in data, data analysis, continuous improvement and PLCs
  - Inquiry is the key

Questions Superintendents, Directors and Principals should ask

- Are teachers adjusting instruction based on formative assessments?
- Are teachers sharing instructional and data mining strategies?
- Is the curriculum complete?
- Are teachers teaching to the curriculum
- Are principals instructional leaders?
- Are buildings forming professional learning communities?
- Are all buildings and departments aligned to our vision/mission?
- Does our vision/mission support a culture of quality data?

How do Data4SS and Data Warehouses (RDI)
<u>PD resources</u> complement each other?

Incorporating Data 4SS PD Resources into your RDI PD Plans

- All professional development resources provide a scaffold
  - To model the data analysis process
  - To give districts ownership of their data
- Using Examining State, School and Classroom Data PD Modules for informing School Improvement Process
  - Overall Achievement and Demographic data
    - Identify Sub-group learning issues
      - Determine strategies/interventions
      - Data Warehouse assists in monitoring

Incorporating Data 4SS PD Resources your RDI PD Plans

- Use Assessments and Examining Student Work Modules to
  - Refine data – Grade Level Content Expectations or MME Standard of greatest concern
  - Inform & Benchmark assist in monitoring progress using classroom assessments and common assessments
  - Use Writing PD module to help teams focus on writing process

Incorporating Data 4SS PD Resources into your RDI PD Plans

- Use PD resources when working with:
  - High Priority Schools – Evidence Based Interventions – Strategies or Action Step within SIP
    - Pearson Inform assists in monitoring for EBI implementation and student learning
  - Process Mentor Team
    - Student Incremental Goal
    - Development of Content Area Action Plans
    - Pearson Inform assists in monitoring
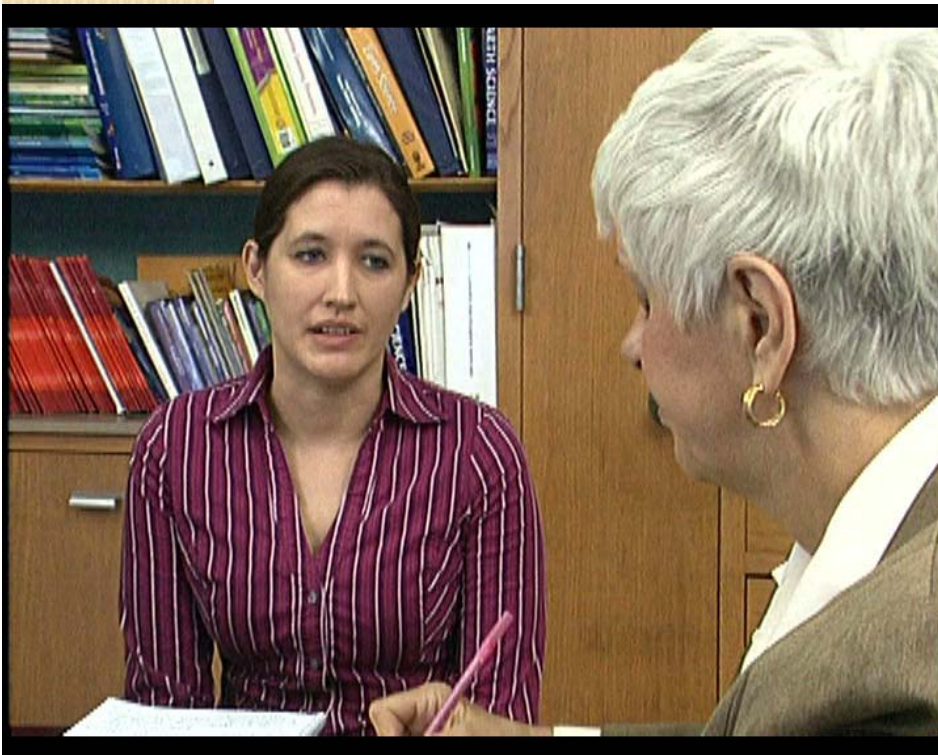
Data 4SS PD Resources

- Creating Conditions for Professional Learning Module

- Leadership Module
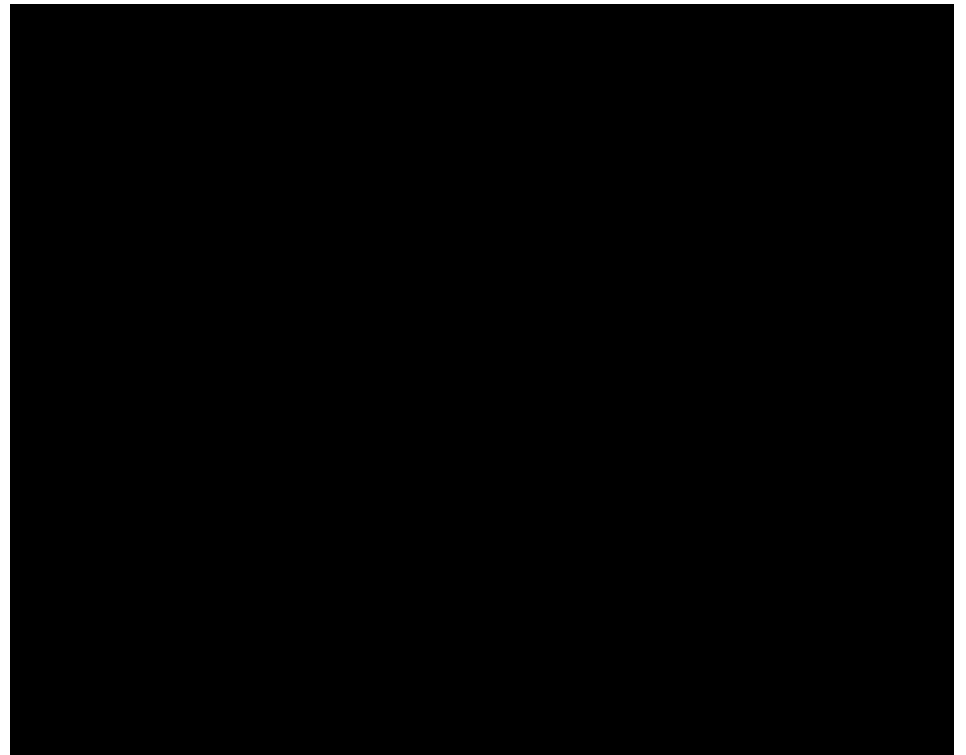 - Identifies the role of the district and building leader in building a culture of quality data

Data 4SS PD Resources

- Videos - Examples

Data Conferencing Overview Clip

Data Conferencing Example Clip

DATA 4 SS — DATA FOR STUDENT SUCCESS

Professional Development

Dynamic Inquiries
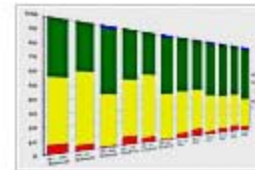
User Support

Building a Culture of Quality Data for Student Success

Awarded through the Center for Educational Performance and Information (CEPI), the Data for Student Success project is funded by a Federal Title II Part D grant and is lead by Calhoun ISD in partnership with the Michigan Department of Education and CEPI. The focus of this grant is to further the culture of data driven decision making in Michigan's schools by providing a quality professional development model and dynamic inquiry tool. This Data4SS website is a repository of information and resources related to the Data4SS project.

Upcoming Events

Sustainability Symposium - Lansing, MI

November 30 - December 1, 2009

Connector Newsletter

Search [ ] Search

Data for Student Success

Professional Development

Using State Data to Identify School Improvement Goals

Using School Data to Clarify and Address the Problem

Examining Student Work to Inform Instruction

Using Classroom Data to Monitor Student Progress

Leadership in Building a Culture of Quality Data

Maintaining Confidentiality

Assessment

Writing

Creating Conditions for Professional Learning

Dynamic Inquiry

User Support

Tutorials

MEAP Proficiency

Comparative Item Analysis

Cohort Proficiency

Professional Development

Professional development is primary component of the Data for Student Success project. The professional development resources include:

- Animated tutorials for reading the online graphs and worksheets to guide teams through the process and to capture the critical findings to inform school improvement goals. These tutorials are located on the right side of this screen.
- A curriculum for using data to improve student achievement. The curriculum consists of four modules that move school teams through the process of analyzing state assessment data to the collection and analysis of school and classroom data to inform instructional decision-making. The curriculum also includes sample agendas, handouts, and PowerPoint presentations. The modules are located on the left side of this screen.

Also included on the left side is information about maintaining confidentiality due to FERPA: Family Educational Rights and Privacy Act.

Using the Data for Student Success Curriculum

DATA SS — DATA FOR STUDENT SUCCESS

Search

Data for Student Success

Professional Development

Using State Data to Identify School Improvement Goals

Using School Data to Clarify and Address the Problem

Examining Student Work to Inform Instruction

Using Classroom Data to Monitor Student Progress

Leadership in Building a Culture of Quality Data

Maintaining Confidentiality

Assessment

Writing

Creating Conditions for Professional Learning

Dynamic Inquiry

User Support

Examining Student Work to Inform Instruction

How do we know what students know and still need to learn?

Examining classroom work to understand what students know and still need to learn provides the information necessary to knowing where to go next instructionally.

This workshop engages school teams in an examining student work protocol that requires teams to reach consensus on what proficient performance looks like on a specific assignment or assessment, to diagnose student performance against that criteria, and then to brainstorm instructional strategies to improve the student's performance. Teams will also discuss how best to capture the diagnostic data from an examination of student work in their data warehouse.

Focus Questions

- How do we examine student work?
- What diagnostic information should classroom assessments provide?
- How do we reach consensus about what proficient work looks like?
- How do we structure time and set expectations that teams regularly examine student work?
- How do we monitor that teams are regularly examining student work and using the data to inform their instruction?
- What diagnostic data should be included in the data warehouse?
- When do we score versus when do we diagnose student work?

Outcomes

MEAP Worksheets

- Agenda - Examining Student Work
- Presentation PPT
- Planning a Data Conference
- Dr. Pepper Script
- Five Critical Questions of Learning
- Rubric for Response to Shared Reading Section Grades 3 - 8
- MLPP Retelling Assessment
- Monitoring Template A
- Monitoring Template B
- Monitoring Template C
- Math Example Item 56

Videos

- Data for Student Success - Overview
- Data for Student Success - Extended Overview
- Examining Student Work - Elementary
- Examining Student Work - Middle School

Next Steps…

- Using Pearson Inform v.5.0 to query and report data
- Using Inform, Benchmark, and/or Data4SS Data Inquiry Tool to ask and answer key student performance questions
- This afternoon – digging deeper into student performance improvement
- Taking these strategies back to your buildings & colleagues