


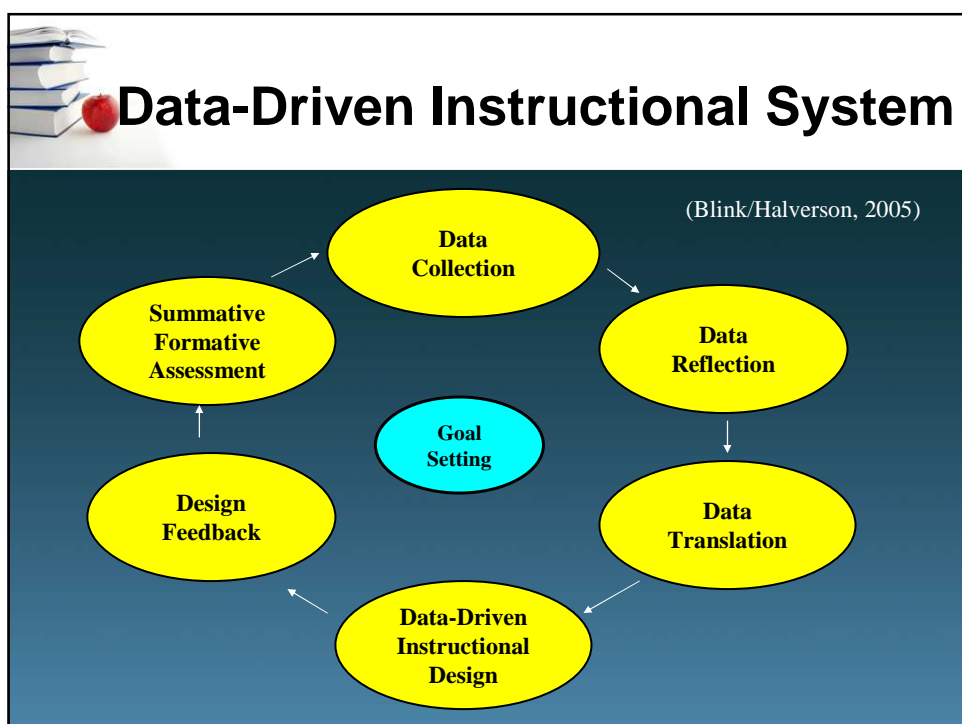
Session Description


This presentation will focus on ways teachers can utilize the MAP data to make instructional adjustments at the classroom level and/or individual student level. A data analysis worksheet will be shared to assist with the process. In addition, several tiered lesson examples will be shared from elementary, middle school and high school level courses. What does it look like to use the MAP data at the classroom level? Come and find out!




All Avenues MUST lead to Improvement

- Data Collection
 - Organizing how data are acquired and stored within a school district.
- Data Reflection
 - Providing opportunities for teachers, administrators and other district stakeholders to analyze and interpret data for school improvement.
- Data Translation
 - Converting the district data into content, curricular and program revision/creation.
- Data-Driven Instructional Design
 - Moving data to the classroom level so it is utilized by teachers to improve instruction in their classrooms.
- Design Feedback
 - Evaluating how information is shared with the multiple stakeholders in a district including students, parents, teachers, administrators, school board members and the community.
- Summative/Formative Assessment
 - Measuring the implementation of the data-driven initiative through multiple means of assessment, monitor progress.






Data Collection Examples





- Data Entry Protocol for Student Information System
- “Data Discovery” – what data did we want to collect?
- Data Warehousing



Data Reflection


- In-Service Days
 - How are you spending this valuable time?
- Early Release Days
 - Give teachers TIME to analyze data!
- Data Retreat Days
 - Typically in the summer
 - Intense, structured data analysis time with District Leadership Team






Data Translation


- Program Analysis
- Curricular Analysis (Gaps/Overlaps)
- Design and Implement Programs:
 - Math Matters
 - Balanced Literacy
 - Middle School Math Curriculum Adjustments
 - Middle School Reading Curriculum Adjustments
 - High School Course Additions
- Measure Success of New Programs or Initiatives



Data-Driven Instructional Design





- Changes to Classroom Instruction Based on Data
- Tiered Lesson Plans
- Differentiated Instruction (ES, MS, HS)




Design Feedback


- Measuring the Success (programs and/or classroom instruction)
- What is working and what is not?
- What needs to be changed/adjusted?
- How should it be changed/adjusted?

A cartoon illustration of a young boy with brown hair, wearing a black jacket over a white shirt, blue pants, and red shoes. He is sitting on the ground, leaning back on his right hand, with a thoughtful expression on his face.

Summative/Formative Assessment


- Federal Assessments
- State Assessments
- College Placement Exams (PLAN, ACT, SAT)
- MAP Assessments (Reading, Language, Math, Science)
- Common Assessments (all “like” grade levels/courses share the same assessments)

A photograph of a young girl with long brown hair, wearing a red shirt, sitting at a desk and writing in a notebook with a pencil. The notebook has math problems on it.




Four Keys to Success

- **Purpose** – always know WHY you are doing something
- **Focus** – don't try and do too much at once
- **Communication/Coordination** – everyone needs to be on the same page from the school board to the students
- **Follow Through** – not just another “F” word!




Where Does the Classroom Come In?

- Data Collection
- Data Reflection
- Data Translation
- Data-Driven Instructional Design
- Design Feedback
- Summative/Formative Assessment




District Level Analysis

- 3-5 Year Analysis with Overall Scores by Subject Area
- 3-5 Year Analysis by Goal Area (Strand) and Subject Area
- 3-5 Year Analysis by Subject, Goal Area (Strand) and Curriculum
- Curricular Review/Revision
- Program Design/Implementation
- Staff Development Planning




Handy MAP Reports for Districts

- District Summary by Grade
- Student Growth District Summary
- Student Growth Summary – shows grade level
- Raw Data File




Building Level Analysis

- Instructional Implications
 - Identify curricular/strand issues
- Curricular Implications
 - Design/revise curriculum to address issues
- Program Implications
 - Design/implement new programs
- Dynamic Reports
 - Predict state assessment success
 - View grade level/classroom performance



Handy MAP Reports for Teachers

- Class Report by RIT
- ASG Class Report




Overall/General Data Sheets

- MAP Data Summary by Stand (Green Sheet)
<..\Data Tools\Data Summary Sheet.pdf>


Choosing a Classroom Content Goal (Salmon Sheet)

<..\Data Tools\NWEA Classroom Analysis.pdf>



Student Level Analysis

- Instruction should be customized as much as possible to meet the needs of all students
- The “September” box
- Textbook vs. Curriculum vs. Instruction
- Progress MUST be accelerated for students achieving below mean/median
- Don’t forget about the high achievers – meeting in the middle is going half-backwards!!!




Tiered Lesson Plan Template

I looked at my reports, now what?


<..\Data Tools\Appendix B Tiered Lesson Template Example.pdf>

(This sample and a blank template included in your packet – yellow sheet)




Elementary Examples

- Elementary Reading (Purple Sheet)
 - <..\Data Tools\Elementary Tiered Lesson Reading.pdf>
- Elementary Math (Purple Sheet)
<..\Data Tools\Elementary Tiered Lesson Math.pdf>
- 3rd Grade Math (Blue Sheet)
<..\Data Tools\Grade 3 Math Tiered Lesson.pdf>



Middle School Examples

- 8th Grade Reading – Context Clues (Pink Sheet)
<..\Data Tools\Appendix C Context Clues Lesson Plan.pdf>
- 8th Grade Reading – Making Words (Ivory Sheet)
<..\Data Tools\Appendix E Tiered Lesson 11 16.pdf>
- 8th Grade Reading – Newsletter (Goldenrod Sheet)
<..\Data Tools\Appendix D Newsletter History.pdf>




High School Examples

- High School Data Sheet (White Sheet)
<..\Data Tools\HS Data Retreat Info 07 Post Printversion.pdf>
- Genetics (Cherry Sheet)
<..\Data Tools\Genetics Tiered Lesson.pdf>



Paper Airplane: A Lesson for Flying

Video from:
www.simpletruths.com



Lesson Learned

All breakthroughs, be they in science, literature, business, technology, or some other field, occur because instead of following the status quo, one individual dares to create new rules. Tom and Jeff's story is a powerful reminder that thinking outside the box can be a risk, but the potential rewards can be well worth it!



Partnerships



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