Educational Information Management System (EIMS)

Report to the
Virginia Board of Education

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Lan W. Neugent
Assistant Superintendent for Technology
EIMS – From Accountability to Strategic Decision Support

... in every classroom

Where we are today ...
EIMS – Realization of Benefits

EIMS closes the loop on the educational information lifecycle, providing tools to analyze student performance.
The education data world.
EIMS Goals

- Meet reporting requirements
  - State
  - Federal
- Redirect time toward instruction
- Monitor progress toward goals
  - Closing achievement gaps
  - Accountability ratings
  - Individual student progress
- Timely, high-quality data
  - From a single source
  - In a meaningful format

Accountability

Strategic Decision Support
Year 1 1/2 Accomplishments

- 5 Years of SOL Data for all Subjects
  - 2000-2001 through 2004-2005
- Preliminary SOL Data for 2005-2006
  - Updated weekly
  - Student-level Results
- Data Analysis by subgroup
  - Pass Rates
  - Scaled Score Bands
  - Reporting Category (subscale) level
- All Divisions have received State Testing Identifiers
  - Assigning identifiers is an ongoing process for divisions

Access to EIMS is granted locally.
EIMS Today – Work Behind the Scenes

- Easing the transition
  - Advisory groups
  - Focus groups
  - “Birds of a Feather” sessions
  - Acceptance testing
  - Pearson “Rapid Response Team”

- Significant work is required
  - Data and Testing staff participating
  - Submitting student data
  - Receiving “testing identifiers”
  - Reporting data

Virginia school divisions have been an integral part of EIMS system development.

School divisions have invested time and resources to see that EIMS is a success.
Accomplishments

• Longitudinal Student Data
• A wealth of other educational data
• Ability to conduct detailed analysis
Examples

• Do students that pass 3rd grade reading also pass 5th grade reading?

Student Performance on 5th Grade Reading After Passing 3rd Grade Reading

- 2,149 Failed 5th Grade Reading after Passing 3rd Grade Reading
- 40,066 Passed 5th Grade Reading after Passing 3rd Grade Reading

- 95% Passed 3rd and 5th Grade Reading
- 5% Passed 3rd Grade, Failed 5th Grade Reading
Examples

• Are all students achieving equally?

Percent of Students Passing Third Grade SOL Tests

<table>
<thead>
<tr>
<th>School Year</th>
<th>Pass Rate</th>
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<tbody>
<tr>
<td>2000-2001</td>
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<td>2001-2002</td>
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<td>2002-2003</td>
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<td>2003-2004</td>
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<td>2004-2005</td>
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- All Students
- Black
- Hispanic
- White
Challenges:

- Data Accessibility
- Data Quality and Timeliness
- Capacity to conduct Data Collection and Analysis

- Staff Demographic, Qualification and Assignment Information
- Specific Program Participation Information (Special Ed, CTE, Title I)
- Student Achievement, Demographic, and Program Participation Information
- School and Division Characteristics and Accountability Information
- Division-level Financial Information
EIMS Tomorrow – Room to Grow

- Adopting interoperable data transmission standards
  - Real-time data submission
  - No human intervention
- Longitudinal analysis
  - Individual student growth
  - Linking individual student needs to appropriate educational resources
- Links to other data systems
  - Electronic transcripts
  - Other divisions
  - Community Colleges and other Higher Ed institutions
Tying it all together in a friendly, interactive way

- Staff Demographic, Qualification and Assignment Information
- Specific Program Participation Information (Special Ed, CTE, Title I)
- Student Achievement, Demographic, and Program Participation Information
- School and Division Characteristics and Accountability Information
- Division-level Financial Information
Linking performance to tools for improving instruction

- Lesson Plans
- Benchmark Assessments
- Learning Objects
- Individual Student Education Plans

STANDARDS OF LEARNING
Current Activities

• Implementing the Schools Interoperability Framework (SIF) standards for interoperability
  – 40 divisions by June 30, 2006
  – Negotiated significant cost savings for divisions

• Participating in the Data Quality Campaign
  – Working toward the 10 essential elements
  – Selected for a best practices site visit

• Participating in the other National activities
  – School Matters
  – Just for the Kids
  – Education Data Exchange Network
The 10 Essential Elements

1. A Unique Statewide Student Identifier

2. Student-Level Enrollment, Demographic and Program Participation Information

3. The ability to match individual students’ test records from year to year to measure academic growth

4. Information on untested students

5. A teacher identifier system with the ability to match teachers to students
The 10 Essential Elements

6. Student-level transcript information, including information on courses completed and grades earned
7. Student-level college readiness test scores
8. Student-level graduation and dropout data
9. The ability to match student records between the pre-K-12 and postsecondary systems
10. A state data audit system assessing data quality, validity and reliability
SIF can be used to make your data systems talk to one another using the logical provider of data.

- Data is entered only once in one system (accuracy),
- and automatically propagates to other systems (staff),
- and allows systems to exchange data (staff, state reporting),
- and creates potential to create reports across different systems (D3M),
- and reduces the number of forms to complete (parents)!
Thank You