Leveraging Learning Management Systems to Deliver Data-Driven Instruction
Three Questions:

1. What content/systems are utilized for student instruction in your district?

2. To what extent can these systems/resources be integrated?

3. What key areas should be targeted for county, region, state integration?
1. What content/systems are utilized for student instruction in your district?

Mostly the result of independent, time-bound individual content-related resources.
It’s time for a total restyling!
1. What content/systems are utilized for student instruction in your district?
Curriculum

- Baseline Curriculum Adaptable at the District, Building, & Classroom Level
- Real-time Updates
Instructional Plan:

- **Consistent**
  - Building-Building  Class-Class  Year-to-Year

- **Transparent**
  - Administration  Department Heads  Support Staff  Parents

- **Flexible**
  - Whole Class  Small Group  Individual

- **Integrated**
  - Store, Access and Distribute to Individual or Combined Content Areas
Delivery of Instruction:

- Synchronous/ Asynchronous
- Whole Class    Small Group    Individual
- Classroom Management
- Device Management
Instructional Resources

- Base, Enrichment and Remediation
- Search & Secure Based Upon Standard/Skill/Topic
- Disseminate on Class, Small Group or Individual Basis
- Monitor Student Use and Progress
- **Assess and Report Student Learning:**
  - Formative & Summative
  - Individual, Class, School, District, Region ... State
  - Standards, Skills and Content
  - Real-time Feedback for Data-Based Instruction
  - Fluidity Between Reporting Systems
Assessment Banks
Instructional Programs & Assessments

- Based on Derivative Copies
- Instant Data at Multiple Levels
2. To what extent can these systems be integrated?

- **Communications Flow:**
  - Component Parts of the System
  - All Information to Administration
  - Various Communication Channels Between
    - Administrators, Teachers, Students & Parents
Choosing the Right Tools

Multiple tools having very similar results.
Systems created to house tools as type and number are individually added.
Investing in a Complete System
Most districts have integrated student management and financial systems, BUT NOT SYSTEMS THAT DELIVER INSTRUCTION!
The complexity and benefits of digital learning REQUIRES a well-organized, secure delivery system!
The LMS is the Glue!

Standards

Curriculum

Assessment

Instruction

Real time reports linked to standards & content!
“These costs could be compared to those of administrative systems used by your finance, human resources, payroll and purchasing departments. ..Once a LMS is installed, it becomes a mission-critical system that instructors and students will depend on 24/7...

Also, you must ask, ‘What is the cost to the organization if this investment is not made?’

Educause Review
Know what’s behind every door before you choose!

District – Created

Open-Source

Proprietary

Center for Online Learning
STANDARDS-ALIGNED CONTENT!
EVERY student’s response heard and assessible in discussion threads!
INSTANT assessment data for student/teacher/administrators with ability to self-remediate!
Base your answer on the map below and on your knowledge of social studies. Based on the information provided by this map, where did Abraham end up after traveling from the Sahara Desert?

- 50% - Nile River valley
- 25% - Mesopotamia
- 25% - Mediterranean Sea

**INSTANT** Comprehensive Data!
Instructional Plans Revised!

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Proficiency</th>
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### Learning Objective Mastery

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<th>ID</th>
<th>Proficiency</th>
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<td>OHDEMO3</td>
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<td>&quot;Students will use a variety of intellectual skills to demonstrate their understanding of major ideas, eras, themes, developments, and turning points in world history and examine the broad sweep of history.&quot;</td>
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<td>OHDEMO1</td>
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<td>&quot;Define culture and civilization, explaining how they developed and changed over time. Investigate the various components of cultures and civilizations including social customs, norms, values, and traditions, political systems, economic systems, religious and spiritual beliefs, and socialization or educational practices.&quot;</td>
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<td>&quot;Students will use a variety of intellectual skills to demonstrate their understanding of major ideas, eras, themes, developments, and turning points in world history and examine the broad sweep of history from a variety of perspectives.&quot;</td>
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<td>&quot;The skills of historical analysis include the ability to investigate differing and competing interpretations of the theories of history, hypothesizing about why interpretations change over time, explaining the importance of historical evidence, and understand the concepts of change and continuity over time.&quot;</td>
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### Grade 5 Science: Section 1

#### Mastery

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<th>Average Grades</th>
<th>CCRS 1.0.1</th>
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<td>79.92%</td>
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- Anderson, Nichole: 75% 95% 95% 82%
- Babb, Judy: 82% 81% 81% 90%
- Barret, Glenn: 61% 63% 63% 77%
- Brown, Dan: 68% 85% 85% 78%
- Brown, Whitney: 78% 57% 57% 91%
- Carter, David: 55% 56% 56% 69%
- Carter, Larry: 84% 78% 78% 84%
- David, Dan: 88% 95% 95% 83%
- Duncan, Paul: 100% 100% 100% 86%
- Gano, Sean: 61% 85% 85% 61%
- Jones, Janet: 70% 80% 80% 71%
- Raymond, Annie: 59% 86% 86% 71%
- Richard, Melanie: 92% 86% 86% 96%
Digital resources immediately found/assigned to address needs as determined by data!
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<th>Product</th>
<th>Manage/Student Data</th>
<th>Manage/Assessment</th>
<th>Manage/Reporting</th>
<th>Product/State Analysis</th>
<th>Exceptional Use of Content Standards</th>
<th>Exceptional Use of Technology to Meet the Standards</th>
<th>Exceptional Use of TpS and Assessing Progress</th>
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<th>Exceptional Use of Integration with Other Data Systems</th>
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Just a Few of the Many Benefits ...

- Live Curriculum
- Consistency of Instruction
- Anywhere, Anytime Access
- Instant Data
- Personal Learning Paths
- Increased student engagement
- Transparency
- Reduced Paper Use
- Effective Delivery of Professional Development
Are you building/purchasing an empty shell?

- How much time do you have to research vendors?
- How much time/resources do you have to build digitalized assessments and curriculum?
- How much time and resources do you have to invest in building/maintaining technical infrastructures?
3. What key areas should be targeted for county, region, state integration?

- Student Management System
- Learning Management System
- Media Resource System
In what ways and to what extent should all district systems be integrated ... county, region, state?
Know what’s behind every door before you choose!

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