Introduction to the Illinois Shared Learning Environment

Presented by: Jeanne Kitchens
September 26, 2013

Topics
- Big Picture
- Teachers and Students
- Apps and Timeline
Illinois Shared Learning Environment (ISLE) Mission Statement

*ISLE drives academic achievement and career success for all lifelong learners in Illinois by enabling personalized learning through open and accessible technologies.*

[http://www.ilsharedlearning.org](http://www.ilsharedlearning.org)
ISLE Online Platform

The ISLE online platform is under development now. It will empower educators and learners with integrated data and tools to personalize learning and drive success for pre-K through career.

- support Pre K – grade 12 teachers and principals to deliver instruction that is personalized,
- are aligned to relevant standards (including Common Core), and
- prepare students for transitions to postsecondary education and the workforce.

ISLE Partnership

- Illinois Department of Commerce and Opportunity
- Illinois State Board of Education
ISLE Advisory Committee

- Bensenville School District 2
- Center for Workforce Development at SIUC
- Chicago Public Schools
- Chicago Teachers Union
- Early Childhood Development Enrichment Center
- IlliniCloud
- Illinois Education Association
- Illinois Federation of Teachers
- Illinois Interactive Report Card at NIU
- Kankakee Community College
- National Center for Supercomputing Applications at U of I
- Office of the Governor
- P-20 Council
- Sandoval School District 501
- SIU Carbonale Workforce Education and Development
- STEM Lead Entities
- Urbana School District 116

Pilot Sites

Bloomington School District 87 and McLean County Unit District 5

- 33 Race to the Top (RttT) School Districts
- Illinois Pathways STEM Learning Exchange
STEM Learning Exchanges

Planning

Implementation

P-20 Alignment

ISLE is planning to benefit a broader range of programs and users across the P-20 spectrum.
Ongoing Feedback Process

Requirements

Multiple Sources

Plan Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Primary Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>Hardware and software for cloud infrastructure.</td>
<td>IlliniCloud and NCSA</td>
</tr>
<tr>
<td>Data Integration</td>
<td>Automate the data collection activities for students and teachers. Integrate with inBloom datastore.</td>
<td>IlliniCloud and NCSA</td>
</tr>
<tr>
<td>User Interface</td>
<td>Portal with single-sign-on to integrate apps and data with dashboards.</td>
<td>IlliniCloud and NCSA</td>
</tr>
<tr>
<td>Apps</td>
<td>Educator Apps: Pre-K – 12 Learner Apps: Students and families</td>
<td>NIU and SIU CWD</td>
</tr>
</tbody>
</table>
Stay in the Loop!

http://www.ilsharedlearning.org

- Background Information
- FAQ
- News Subscription
- Access to Piloted Apps

Teachers and Students
Challenges

“It’s frustrating to figure out how to take data and use it to help students.”

“What’s broken? The idea that “one size fits all.”

“Just give us time to do some of the things we don’t have time to do!”

Value Add

Illinois students benefit from valuable efforts in education.

Students benefit most when teachers can personalize learning.
Value Add

**ISLE** - An online platform that will empower educators and learners with integrated data and tools to personalize learning and support student success from pre-K through career.

**MISSION** - To drive academic achievement and career success for all lifelong learners in Illinois by enabling personalized learning through open and accessible technologies.

---

**ISLE Benefits for Educators and Learners**

**Educators**
- Save time by reducing administrative burden
- Empowered with actionable information
- Connected to high-quality resources
- Enabled to share lesson plans and collaborate with other educators

**Learners**
- More individualized attention
- Lesson plans will better match each student's learning style
- Connected to a wider network of resources through educators
- STEM and workforce programs available
Challenges

Student data is difficult to connect to learning resources and multiple productivity and instructional apps.
Value Add

ISLE will empower educators by organizing and integrating data with educational tools.

Value Add

ISLE will bring content and applications together by harnessing the power of data.
Privacy and Security

ISLE is committed to data privacy and security.

LOCAL CONTROL
Districts will continue to own, manage and control access to their data, just as they do now.

ROLE-BASED ACCESS
Only school staff with roles appropriate to see student data will have access to data in ISLE, just as they do now.

NO NEW DATA
All data in ISLE is collected now for other purposes. ISLE simply integrates and streamlines access to it.

PROTECTED ACCESS
Only vendors, developers, and third parties authorized by school districts will have access to student data.

Multiple Components to Privacy & Security

Technical Architecture
- Data storage
- Data transmission
- Technical controls to prevent unauthorized access

Policies & Legal Controls
- Overall Privacy and Security Policy
- Service agreements with customers
- Agreements with contractors
Initial Apps

User Access to Apps Examples

<table>
<thead>
<tr>
<th>General Public</th>
<th>Basic</th>
<th>Plus (for Members)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Discovery</td>
<td>General Public applications, but also permitting customization and saved searches</td>
<td>All Basic applications</td>
</tr>
<tr>
<td>Examples of Learning Maps</td>
<td>Learning Maps (including create and save tools)</td>
<td>Single-sign on</td>
</tr>
<tr>
<td>Resources within Career Exploration and Preparation not requiring customization or data access</td>
<td>Content Repository</td>
<td>Student-data driven applications</td>
</tr>
<tr>
<td>Pathways News and Update Calendar</td>
<td>Collaboration Tools</td>
<td>Dashboard Suite</td>
</tr>
<tr>
<td></td>
<td>The assessment item bank, search features and authoring features of the Assessment Authoring and Delivery Application</td>
<td>Intervention Tracker</td>
</tr>
<tr>
<td></td>
<td>Resources within Career Exploration and Preparation requiring customization but no student-level data access</td>
<td>Learning Maps with student data</td>
</tr>
<tr>
<td></td>
<td>STEM Resource Locator and Scheduler</td>
<td>The assessment delivery and scoring features of the Assessment Authoring and Delivery Application</td>
</tr>
<tr>
<td></td>
<td>Resources within Career Exploration and Preparation requiring access to student-level data</td>
<td>Resources within Career Exploration and Preparation requiring access to student-level data</td>
</tr>
<tr>
<td>Application</td>
<td>Description</td>
<td>EDU</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>-----</td>
</tr>
<tr>
<td>Dashboard Suite</td>
<td>Dashboards for: teachers, principals, administrators, and content specialists. Includes:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>instructional resources, student profiles, assessment rosters, reports, forms for attendance,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Response to Intervention (RtI), Special Education and more.</td>
<td>X</td>
</tr>
<tr>
<td>Intervention Tracking</td>
<td>Tools for tracking interventions for teachers to recognize what is most impactful on student</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>achievement and outcomes. This includes special education as well as learning performance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and RtI tracking tools for teachers and principals.</td>
<td></td>
</tr>
<tr>
<td>Learning Maps</td>
<td>Learning maps will show key concepts by content and grade-level to make personalized</td>
<td></td>
</tr>
<tr>
<td></td>
<td>instruction decisions, developed with assistance from content specialists experienced in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>teacher training and instruction.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Unlit Learning Maps - communicate what standards are, what they mean and provide a direct</td>
<td></td>
</tr>
<tr>
<td></td>
<td>connection to tagged content.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Lit Learning Maps - are connected to achievement data, and use multiple assessment types.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ISLE will provide a base set of learning maps that districts can use as a starting point for</td>
<td></td>
</tr>
<tr>
<td></td>
<td>creation of their own personalized learning maps.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lit and Unit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Assessment Authoring and</td>
<td>Item bank and tools for teachers to create, administer and score assessments that are</td>
<td></td>
</tr>
<tr>
<td>Delivery</td>
<td>based on content that is aligned to standards.</td>
<td>X</td>
</tr>
<tr>
<td>Content Tagging and</td>
<td>Tools educators can use to tag and search content based on standards or other classifications.</td>
<td>X</td>
</tr>
<tr>
<td>Discovery</td>
<td>The other classifications include: search, publishing tools, standard alignment tools,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>standards rigor assessment, recommendation engine, like/dislike commenting features and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>usage integration.</td>
<td></td>
</tr>
<tr>
<td>Content Repository</td>
<td>Supports the upload of digital objects to integrate with the content discovery and learning</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>map applications.</td>
<td></td>
</tr>
<tr>
<td>Collaboration Tools</td>
<td>Tools for educators and other partners to collaborate on instructional activities and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>implementation of STEM Programs of Study.</td>
<td>X</td>
</tr>
<tr>
<td>Career Exploration and</td>
<td>Applications and tools to support educators with student career exploration activities and to</td>
<td>X</td>
</tr>
<tr>
<td>Preparation*</td>
<td>prepare students for careers in particular pathways. These will connect to resources</td>
<td></td>
</tr>
<tr>
<td></td>
<td>aggregated through STEM Learning Exchanges.</td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Description</td>
<td>EDU</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----</td>
</tr>
<tr>
<td>STEM Resource Locator and Scheduler</td>
<td>Application for educators to locate and schedule STEM resources made available through partners within the STEM Learning Exchanges (e.g. equipment, lab space, etc.).</td>
<td>X</td>
</tr>
<tr>
<td>Pathways News and Update Calendar</td>
<td>Tool for educators and other partners to obtain information on Illinois Pathways.</td>
<td>X</td>
</tr>
</tbody>
</table>

**College and Career Readiness**

**Illinois Student Assistance Commission (ISAC)**

ISLE and ISAC are collaborating on learner resources and planning for tools
- Personal Education and Career Plans
- Career Development
- College Planning and Financial Aid

**Illinois workNet**
- Workforce Development Resources and Tools

**Searchable Content Apps**

- Searching & Narrowing
- Evaluating & Rating
- Collecting & Sharing
- Tagging & Publishing
- Creating & Uploading

- Standards Alignment
Searchable Content Sample

Dashboard Sample

Gives teachers an “at a glance” view of how students are doing.
Assessment Authoring

Enables the creation of customized assessments for measuring student growth that supports individualized instruction while ensuring that goals and objectives are met district-wide.

• Support alignment to learning standards.
• Enhance instructional effectiveness.
• Reduce current burdens on teachers to create, validate, deliver, score, report and store student results.

Assessment Authoring Sample

• Fast, simple interface to build items on the classroom teacher level.
• Selecting items from local, district or state-wide item libraries makes creating assessments easy.
• Administering assessments to students involves a user-friendly, straightforward interface.
Learning Maps

- Easy to understand visualization of the scope and sequence of learning goals connected to learning standards
- A tool for learners to visually navigate through learning standards and goals
- A tool for educators to organize and create learning sequences based on standards that correlate to the curriculum
- Connected to learning resources and assessments

Learning Map Sample
Timeline

ISLE will continue to evolve over the coming months and years.

2012-Present
Plan, design, test and gather user feedback

School Year 2013-2014
Pilot

School Year 2014-2015
Begin rollout to RT3 Districts and STEM Learning Exchanges

School Year 2015-2016
Continue rollout to other districts and workforce programs

Thank you!

For more information visit www.ilsharedlearning.org
or contact isle@isbe.net