Top-Down and All Around: How Chicago Public Schools is Committing to IMS Standards
If we successfully implement the PreK-12 Curriculum System, then we will establish consistent expectations for student learning, ensure all CPS students equitably engage with the highest-quality curricular options and increase the return on the district’s investments in teaching and learning.
Leveraging the Interoperability Standards
Curriculum Collaborative
What is the Curriculum Collaborative?

A team of employees and external partners that will build the district’s PreK-12 Digital Curriculum.

Membership will include teachers, APs, principals, students, contracted vendors, content and category specialists, network staff, university partners, CTU, municipal partners, and community organizations.

Application and recommendation processes will launch in April 2019 to identify educators (employees) for the wider Curriculum Collaborative.
Curriculum Collaborative

Development Phases

Phase I: Planning
Developing & Defining our Curriculum Framework

Phase II: Prototyping
Norming our Curriculum Framework with Partners

Phase III: Building & QA
Developing our Digital Curriculum with User Input

Phase IV: Implementation
Iterate our Digital Curriculum with User Development
Program
Enterprise Digital Media Delivery in Chicago Public Schools

- Reliable, Secure & Equitable Access to Media for Administrators, Teachers and Students
- High-Quality Visual Instructional Resources in a Variety of Formats
Designed to Handle Video Efficiently

- Locally-hosted video helps to preserve internet bandwidth
- Adaptive bitrate optimizes user playback experience by dynamically testing for available bandwidth
- Ensures the highest quality playback based on real-time conditions
Ability to Create On-Demand Digital Resources
Benefits of Live Streaming To K-12 Classrooms

- Bringing live resources into the classroom
- Access to current events in real-time
- Ability to create on-demand digital resources for future use
Program Stats

- 12 District Wide Streams - Chicago Board Of Education Monthly Meeting
- 530 Classroom Events - Museums, Aquariums, Science Centers, Authors
- 200 District Webinars - Departments
Future Plans

- School News
- College Virtual Tours
- Career Programs and Interviews
- Additional After-School Programs
K-12 Digital Learning Environment
IMS Global Standards
Simplifying the CPS Digital Learning Ecosystem

- OneRoster → Account Management
- LTI Thin Common Cartridge → Access to Content
- CASE → Alignment of Digital Learning Objects
- Caliper → Access to Real-time Data
The Future of IMS Standards in Chicago Public Schools
Training
Trailblazer Cohort 1

120 Classroom Teachers

40 Schools
The Trailblazer Curriculum

Department of Curriculum, Instruction, and Digital Learning (CIDL)
Design Thinking Cycle

LAUNCH & EVALUATE
Pitch, Metrics & Analytics

EMPATHIZE & DEFINE
Exploratory research - Understand User Needs

TEST & ITERATE
Test and validate your prototype with real users

IDEATE & ITERATE
Sketch, Decide, Get Feedback

PROTOTYPE
Build your Minimum Viable Product to answer your questions

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The Real Design Process

- Idea
- Formative research
- Arguments
- Tears
- Present
- Feedback
- Meeting slog
- Design sprint
- Agreement?
- Wireframes
- Coffee
- User tests
- Mocks
- Prototype
- API
- Pitch
- Test Party!
- Prototype
- Uh-oh
- Launch