Top-Down and All Around: How Chicago Public Schools is Committing to IMS Standards

Chicago Public Schools

Department of Curriculum, Instruction, and Digital Learning (CIDL)

Chicago Public Schools

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.
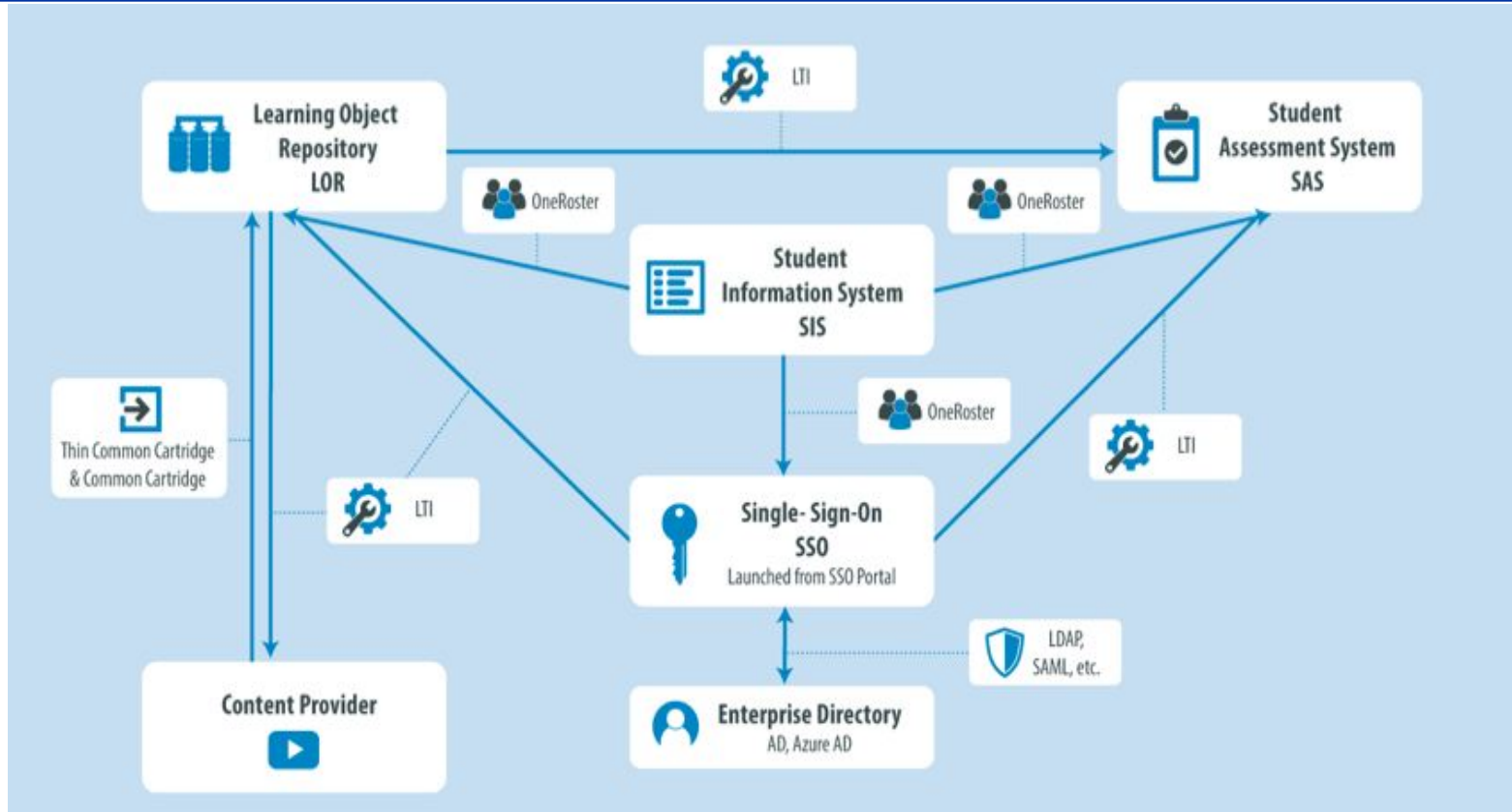
Theory of Action

Chicago Public Schools
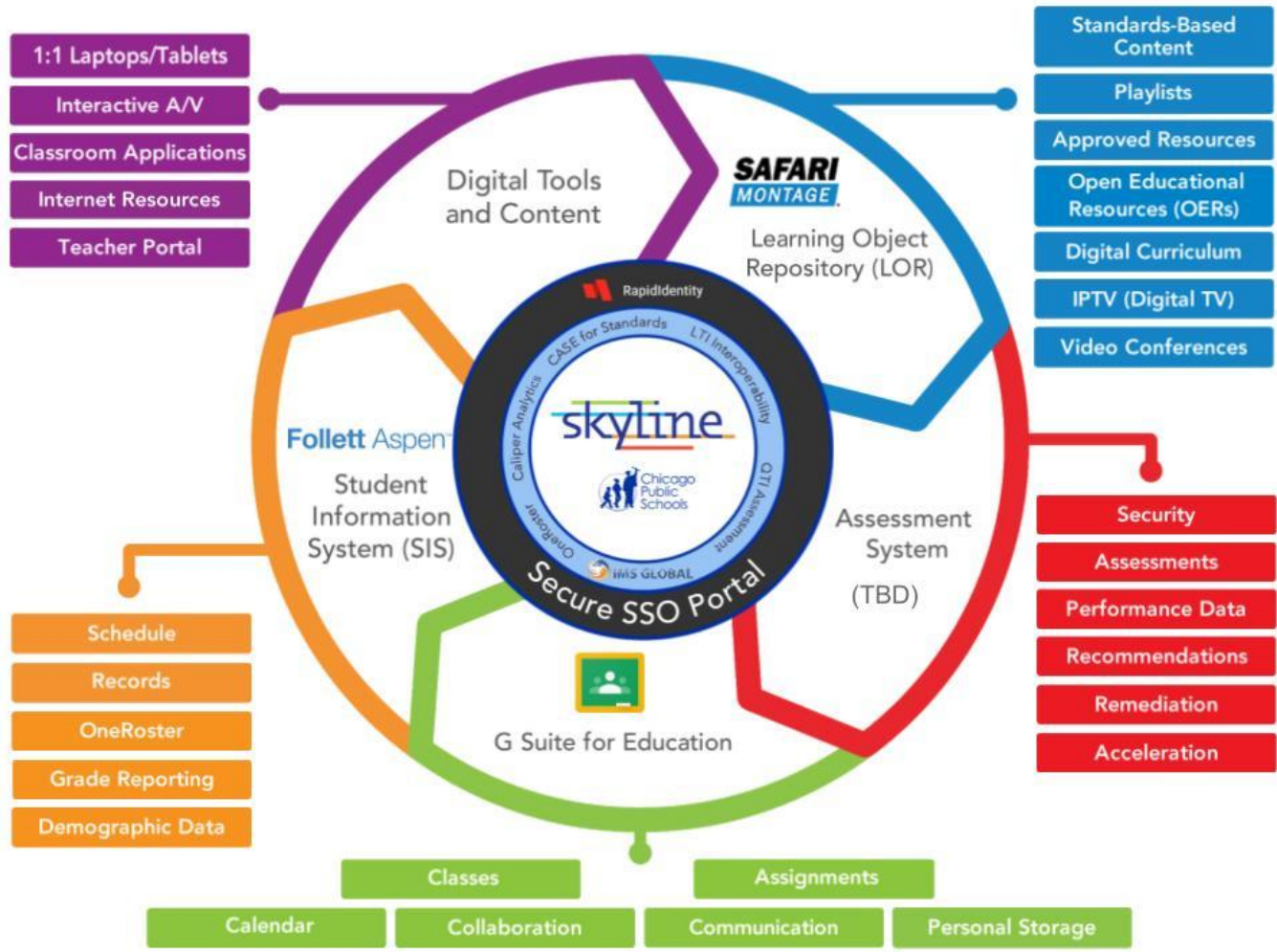
Leveraging the Interoperability Standards
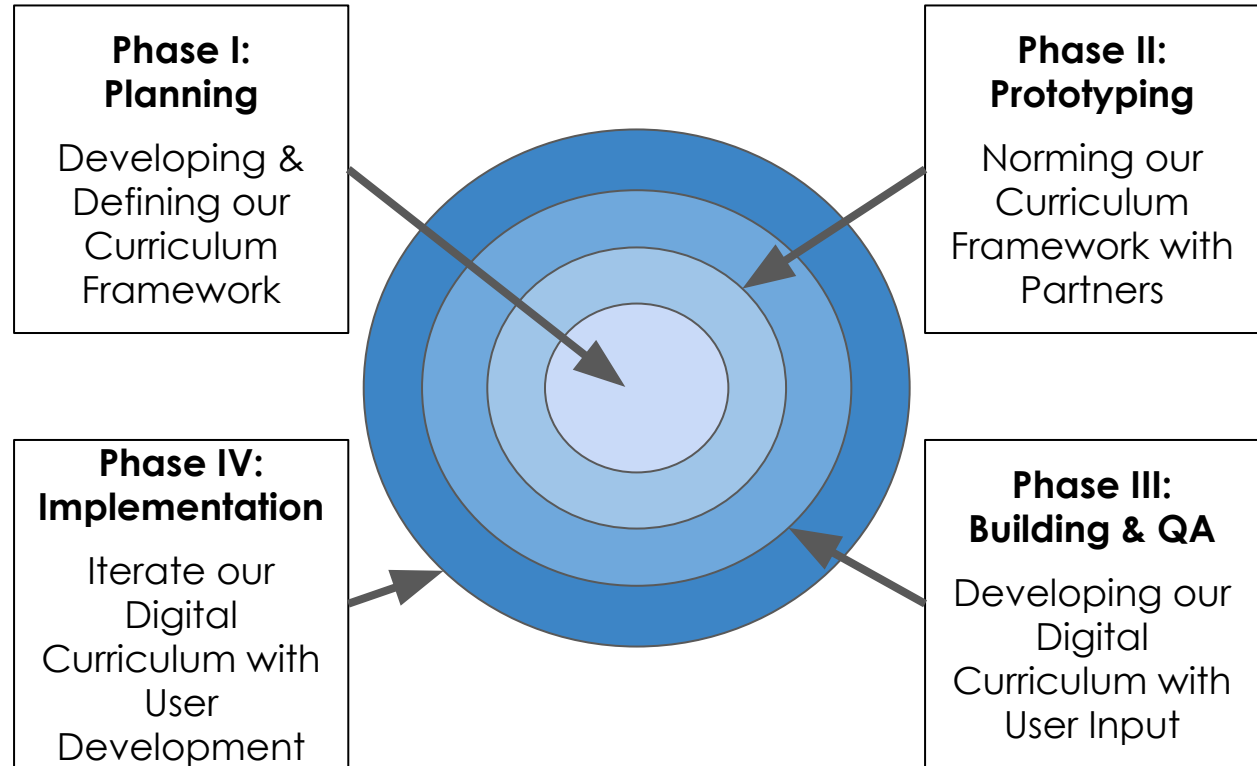
What is the Curriculum Collaborative?

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.

Program

- Reliable, Secure & Equitable Access to Media for Administrators, Teachers and Students

- High-Quality Visual Instructional Resources in a Variety of Formats

Enterprise Digital Media Delivery in Chicago Public Schools

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**

Chicago Public Schools

Future Plans

- **School News**

- **College Virtual Tours**

- **Career Programs and Interviews**
-
- **Additional After-School Programs**

Chicago
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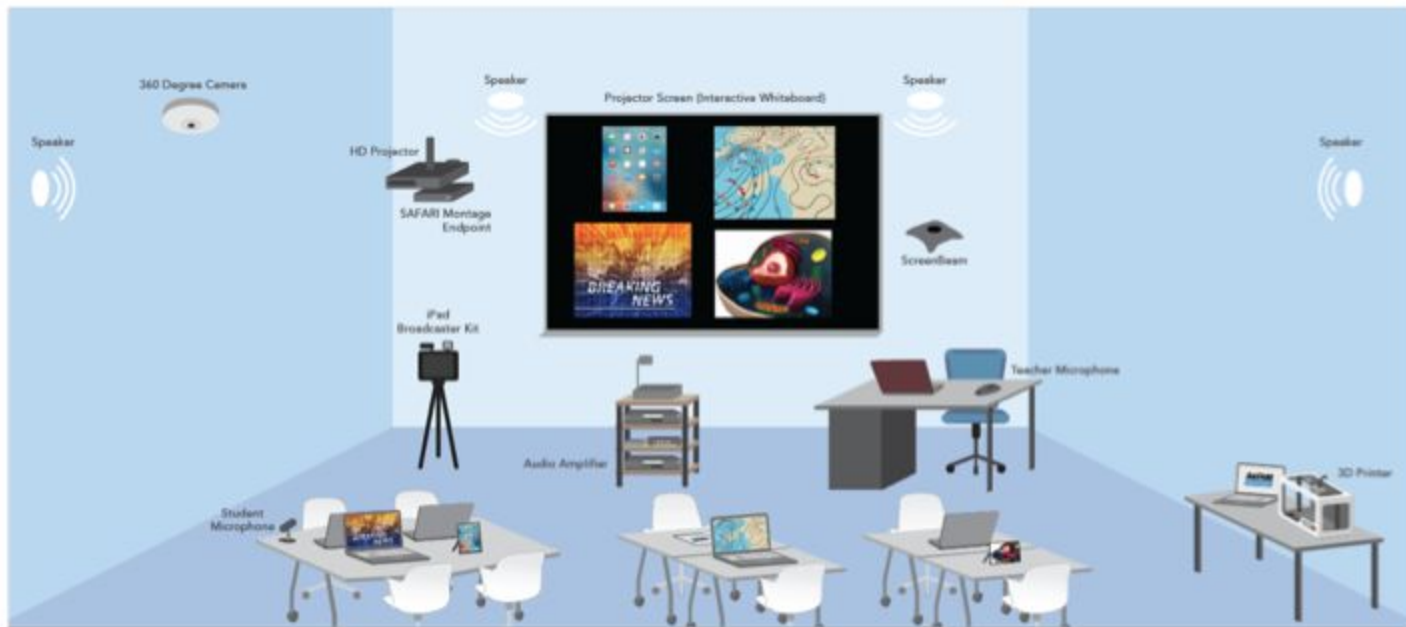
K-12 Digital Learning Environment

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
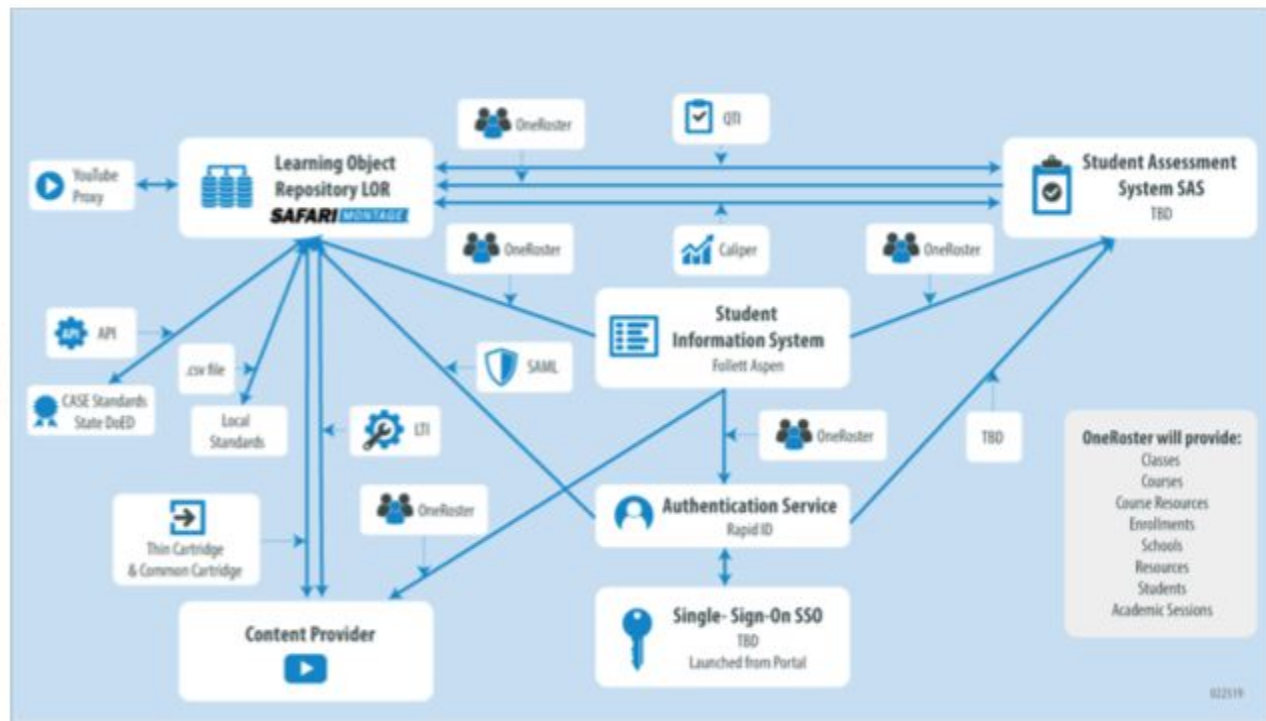
Training

Trailblazer Cohort 1

120 Classroom Teachers

40 Schools

SAMR Levels of Technology

Models of Blended Learning

DIGITAL CITIZENSHIP

Project Based Digital Learning

The Four C's of Digital Learning
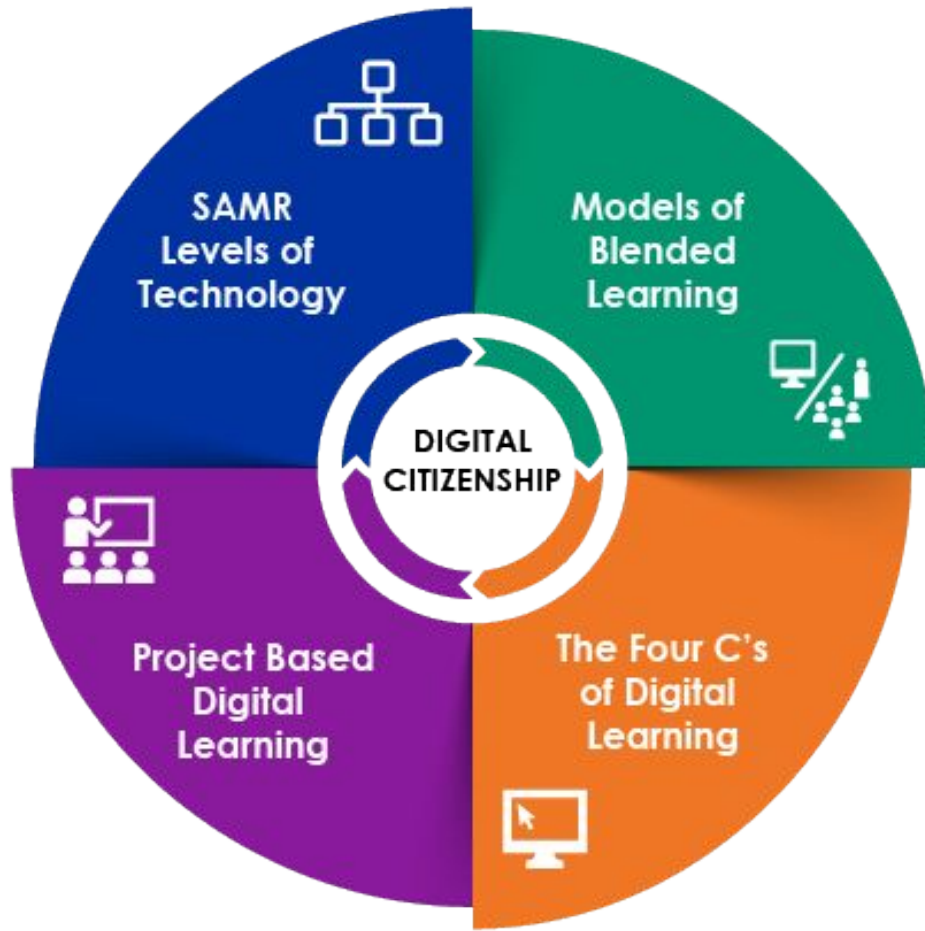
The Trailblazer Curriculum

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Design Thinking Cycle

LAUNCH & EVALUATE
Pitch, Metrics & Analytics

EMPATHIZE & DEFINE
Explorative research -
Understand User Needs

IDEATE & ITERATE
Sketch, Decide, Get
Feedback

PROTOTYPE
Build your Minimum Viable Product to
answer your questions

TEST & ITERATE
Test and
validate your
prototype with
real users

The Real Design Process

Formative research

Wireframes

Mocks

Arguments

Test Party!

Design sprint

Coffee

Tears

Idea

Prototype

Launch

User tests

Present

API

Prototype

Feedback

Agreement?

Pitch

Meeting slog

Uh-oh