Technology and the Teacher: Moving from Player Piano to Jazz Combo

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Question:

What Does a

• 1-1
• Networked
• Digital Curriculum

Classroom Look Like?

How is Learning Different?
Digital Teaching Platforms
Traditional LMS Instructional Loop

Content Management → Assessment → Grade Book → SIS
Traditional LMS

Skinnerian Teaching Machines—ILS’s

- “Teacher Proof” Technology
- Closed Curriculum
- Fixed Map from Assessment to Curriculum
- Lab or Back of the Room
- One student only
Quasi-Summative (Boxcar) Model
Evolution of Digital Instructional Tools

- 1985: Computer Labs
- 2000: Electronic Whiteboards
- 2010: In-class Computing
- 2012: Print → Digital
- Next Gen: Digital Teaching Platforms

Press →
DTP Instructional LoopS

Teacher

Course Syllabus → Content Management → Assessment → Grade Book → SIS

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Embedded (Formative) Assessment
Digital Teaching Platform

• Designed for Classroom Use
  – Real Time Classroom Management
• Teacher-Centric
  – Scaffolds Teachers
• Open Curriculum—Flexible, Teacher-Modifiable
• Lesson Planning Tools
• Individual, Group, and Whole Class Curricula
• Collaborative, Project Centered
• Adaptive Assessment Loop for Personalized Instruction
# Changing Metaphors

<table>
<thead>
<tr>
<th>Work</th>
<th>Factory</th>
<th>Learning Organization</th>
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<tbody>
<tr>
<td>Cognition</td>
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<td>Learning</td>
<td>Information Transfer</td>
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<td>Unit</td>
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<td>Content</td>
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<td>Assessment</td>
<td>Multiple Choice</td>
<td>Authentic/Portfolio</td>
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Choreography: The Guide on the Side
Distributed Curriculum
Integrated Digital Classroom Solution

- Teacher & Class
- Technical Support
- Professional Learning
- Hardware & Connectivity
- Assessment
- Customizable Interactive Core Curriculum
- Teaching and Learning Platform (incl. Classroom Management)
Professional Learning

Traditional Topics:
- Mastering the Tools
- Mastering the Content
- Lesson Planning

Digital Teaching Platform Topics:
- Classroom Management: Choreography
- Pedagogy and Open-Ended Problems
- Customization and Assessment