Library Services by Design

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Sowing the Seeds: High School Libraries Set the Stage for Agile Learning

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Global Economy

“Our short-term challenge isn’t to get the good jobs back. That’s truly unlikely. No, the challenge is to embrace a different form of education and training for a different world.” ~ Seth Godin, July, 2016
Learning agility is the ability and willingness to learn from experience, and subsequently apply that learning to perform successfully under new or first-time conditions.
Agile Learners

Seek Feedback
Evaluate Experiences
Reflect
Think critically
Question
Adapt

image B.Boyer, 2016
4Cs:
● Creativity
● Collaboration
● Communication
● Critical thinking

= Agile learners
High schools must be “relevant to global economy,” and “integral to student progression” -2009 High School Survey of Student Engagement, Indiana University
Critical thinking / critical information use

- Know how to recognize information need
- Skillfully search/locate
- Evaluate information / data available
- Use EVIDENCE for decision making
BUT, first must be able to *READ FOR INFORMATION*

Workers must be able to “think through a process” and perform “hands-on assessment”

- Brian Noecker, East Penn
HOW?  

Nonfiction close reading  
Mind mapping notes - relationships among information  
Digital text sets that also include fictional tie-ins  
Writing claim / evidence
Problem solving

- Stage set with initial training - online, 8 weeks
- Use of digital job aides - computer terminal / kiosk with trouble shooting specific to that station available
- Goal - adaptable workers who take initiative, yet remaining cost effective
On the job...

- Online training modules - RLOs
- Occurs in every building, in proximity to the shop where they work
- Scenarios taken from actual events in plant
- Designed for as much shelf life as possible
- All modules under annual review
- More portals - Human Machine Interfaces for just-in-time opportunities
- Built into daily workflow
- More variety in how training materials are presented
- Working toward ubiquitous digital job aides - increasing amounts of content in this format
- 24/7 availability - not just on the job time
HOW?

Device use
HOW?

Personalized Learning / Differentiation
HOW?

Personalized Learning / Differentiation

Online Learning
HOW?

Personalized Learning / Differentiation

Blended / Flipped Learning

Increased engagement / relevance

Online Learning
HOW?

Personalized learning - Microcredentialing
Developing an information workflow
Developing an information workflow
24/7 access to instruction ("just-in-time")

With Google Scholar you can:
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24/7 access to instruction ("just-in-time")

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Always check the BIBLIOGRAPHY (sometimes called "References" or "Works Cited") of sources you are using.

You can use this bibliography of any article or book you read to discover the sources used by the author. These sources could be very useful to your research!
HOW?

Makerspaces
Developing “products” of learning

Alternative to standard research papers

Evidence of learning
HOW?

* Community-based projects
* Multi-disciplinary
* Inquiry-based

* Project-based research

* Variety of creative products - artwork, video, creative writing
Intellectual property / wise use of social media

- Curation tools
- Twitter for research, reaching out to expert mentors
- Understanding Attribution / Documentation
- Respecting intellectual property
- Protection of proprietary information
Questions?

HEALTHY CROP!