

**NWO Symposium on Science, Mathematics and Technology Teaching**  
**November 6, 2010**  
**INFOhio Learning Commons &**  
**21 Essential Things for 21<sup>st</sup> Century Success**

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This presentation and materials available at INFOhio Meeting Archive:  
<http://www.infohio.org/ABOUT/meetings.html>

- INFOhio website <http://www.infohio.org>
- INFOhio Learning Commons <http://learningcommons.infohio.org>

I. Digital Disconnect

- A. Speak Up Survey
- B. Characteristics of learners
- C. The mobile learner
- D. How do we teach these skills?

II. 21<sup>st</sup> Century Learning Skills

- A. 4 Cs
  - i. Critical thinking problem solving
  - ii. Creativity and innovation
  - iii. Collaboration
  - iv. Communication
- B. 3Rs with 4Cs including
  - i. Digital and information literacy
  - ii. Digital Citizenship

III. Implications for Ohio Learners

- A. PreK-16 or P20 plan-Increase the number of students reedy for college-level work.
- B. Ohio ACS With 21<sup>st</sup> century skills
  - i. Creativity and innovation
  - ii. Critical thinking/problem solving
  - iii. Meta-cognition
  - iv. Communication/Collaboration
  - v. Research/information literacy

IV. Partnership for 21st Century learning <http://www.p21.org>

V.Common Core Standards -<http://www.corestandards.org/>

VI. National Technology Plan <http://www.ed.gov/technology/netp-2010>

- II. What is INFOhio? <http://www.infohio.org>
  - A. Statewide cooperative school library and information network
  - B. Support and enrich 21<sup>st</sup> Century teaching and learning
  - C. Icoach program <http://www.infohio.org/Educator/ICoach.html>
  - D. New password for electronic resources 2010-2019 school years
  - E. DIALOGUE model <http://www.infohio.org/ID/dialogue.htm>
  
- III. "Go Further" initiative
  - A. Preparing 21st Century Ohio Learners for Success
  - B. Providing tools and resources for students and teachers
  - C. Helping students succeed in reaching their future goals
  - D. Go Further portal
  - E. <http://www.infohio.org/PreparingOhioLearners.html>
  
- IV. What is a Learning Commons?
  - A. David Loertscher
  - B. Knowledge building centers
  - C. 21<sup>st</sup> century definitions
  - D. Web 2.0
  
- V. Introduction to INFOhio Learning Commons video
  
- VI. 21st Essential Things for 21st Century Success overview
  - A. Thing Structure
  - B. Standards and Learning Path
  - C. Credit Options 54 5 Credit
  
- VII. Join the Learning Commons
  
- VIII. Research Project calculator
  - A. Version 2.0 <http://www2.infohio.org/rpc/>
  - B. Teacher Support Materials
  - C. Rubrics
  
- IX. TRAILS Tool for Real-Time Assessment of Information Literacy Skills  
<http://www.trails-9.org/>
  
- X. Keeping up to date with INFOhio
  - A. Listserv [www.infohio.org/ABOUT/elist.html](http://www.infohio.org/ABOUT/elist.html)
  - B. The RECORD [www.infohio.org/RECORD.html](http://www.infohio.org/RECORD.html)
  - C. Help resources/Product updates [www.infohio.org/ER/ERhelp.html](http://www.infohio.org/ER/ERhelp.html)
  - D. Toolkit [www.infohio.org/Toolkit.html](http://www.infohio.org/Toolkit.html)