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The Mindset of the 21st Century Learner: Digital Natives

Jeremy Ervin
Cedarville University, jervin@cedarville.edu

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The Mindset of the 21st Century Learner: Digital Natives

Jeremy A. Ervin, Ph.D.

prezi.com/skn2pfya7eeg

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Rationale

Key is **Student Learning**

**Motivation**

**NOT** covering content (a.k.a textbook)

Are students different today than they were 10, 15+ years ago?
21st Century Learners (CSE, Vol. 18, No. 1, 2014/15)

- Digital Natives:
  - Technology for collaboration & communication
- Global Thinkers:
  - Global Perspectives (Big Ideas - Authentic)
  - Creative Problem Solvers
  - Critical Thinkers
- Informational Literacy
  - Navigate information to make informed decisions
- Empowerment:
  - Customize
  - Individualize

Does teaching look the same as way it did 10, 15+ years ago?
Brain Research

Brain Research

Paradigm Shift on Neurological Research

Current

Construct Understanding through Multiple Paths (Network)

We must understand the mindset of our students!

Shift from TEACHER-centered to STUDENT-centered
Involves communication and collaboration through technology.

What activities/projects could be done in a class to allow students to be DIGITAL NATIVES?

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Example:

Class Twitter conversations/questions about content where you include expert handles & content #'s
Global Thinker

Involves seeing the "Big Idea" across disciplines and domains to critically think in a creative way to solve problems.

What activities/projects could be done in a class to allow students to be GLOBAL THINKERS?

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Isolated Learning vs. Global Thinking:

Simulation

Example

What is $\frac{3}{4}$ divided by $\frac{1}{2}$?

http://nlvm.usu.edu/en/nav/frames_asid_265_g_3_t_1.html
What is \( \frac{3}{4} \) divided by \( \frac{1}{2} \)?

http://nlvm.usu.edu/en/nav/frames_asid_265_g_3_t_1.html
Informational Literacy

Involves finding reliable, valid, unbiased, and trustworthy information/data to make informed decisions/conclusions

What activities/projects could be done in a class to allow students to have INFORMATIONAL LITERACY?

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Example:

Students must create an Infographics on specific content.

http://elearninginfographics.com/
Involves the **customization** of their learning to empower them to become active & accountable for their learning through **tailored** activities and assignments.

What activities/projects could be done in a class to allow students to be **EMPOWERED**?

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Example:

Differentiated groups are the experts to present content and allow peers to learn.

https://prezi.com/j7kjziziy5ws/culturalethnic-diversity-presentation/

https://prezi.com/nzxwx_49jknok/chapter-11-problem-solving/
Questions/Comments

jervin@cedarville.edu
@dr_jeremy_ervin
delicious.com/ervinja