“Making a Positive Difference”

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Imagine
Rip Van Winkle awakens in the 21st century, after a hundred year snooze.
Utterly bewildered by what he sees.
Men and women talking to small metal devices pinned to their ears.
People sit at home on sofas, moving miniature athletes around on electronic screens.
Older folk *defy* death and disability with *metronomes* in their chests and with knees made of metal and plastic.
Airports, hospitals, shopping malls... every place Rip goes just baffles him.
But when he finally walks into a classroom, the old man knows exactly where he is.
"This is a school," he declares. "We used to have these back in 1915. Only now the blackboards are white."
circa. 1915
circa. 1945
circa. 2015
A 1965 iPhone
Schools are Improving
Schools are improving -- BUT
Driving 35 when we need to be driving 70
Decision Point:

Wait for the Future . . . .

Or Lead and Prepare for the Future
Everybody has an answer

Nobody has an answer
The future can no longer be predicted by the past.
Crisis or Opportunity?
Our kids have tasted the honey.
We Only Get So Many Once-in-a-Lifetime Chances To Do Great Things
"leadership is influence - nothing more, nothing less."

John Maxwell
Transform
Future Ready

Key Concept

Transformation of school culture
FOR A FAIR SELECTION EVERYBODY HAS TO TAKE THE SAME EXAM: PLEASE CLIMB THAT TREE

Our Education System
"I'm willing to wager that not one of our students' dreams include being proficient on a standardized test."

- Robert John Meehan
SCHOOL

LIFE

GEOMETRY
ART
BIOLOGY
HEALTH
HISTORY

LITERATURE
Traditional Classrooms: Recall-Based

- Class Participation
- Projects
- Homework
- Tests
The Schools We Need: Understanding-Driven

- Projects
- Homework
- Class Participation
- Tests & Quizzes
Millions of learners

One answer key with the dots in the right places

vs.

One assignment that allows students to be creative

Millions of new possibilities
School Work and Learning Culture

- Paradigm shift from individual to co-operative learning

- Emphasis on group work

- Shift from teaching to learning

- Reduced dependence of learners on teachers.

- Promoting construction and creation of work products.
Future Ready

Key Concept

Alignment of Curriculum Resources
If we teach today’s students as we taught yesterdays, we rob them of tomorrow.

John Dewey (1889)
Stop Making it look so **Hard!**
**Information literacy** is the ability to identify what one wants to learn about, then to go through a process of finding, sorting, evaluating, trialling, pondering, comparing, communicating and presenting the information which has been gained through a variety of experiences. Information is transformed into knowledge and understanding through this process.

This transformation can take place over a short period of time (seconds or minutes) and can be life lasting as one continues to be exposed to information. It can be a conscious or subconscious process.

Information literacy is the basis of all learning.

The process of transforming information into knowledge and understanding is the same no matter what you are learning.

**Literacy** ... involves a continuum of learning in enabling individuals to achieve their goals, to develop their knowledge and potential, and to participate fully in their community and wider society.” UNESCO
Collaborating to Create Better Systems to Deliver Digital Content

- Leaders need to be more supportive (& potentially insistent) of Learning Management Systems as the core method of organizing instruction

- Better use of Open Educational Resources

- Better and more systemic sharing of resources
Open Educational Resources

- 10 OER Sources from Mindshift
  - [http://blogs.kqed.org/mindshift/2011/05/10-open-education-resources-you-may-not-know-about-but-should/](http://blogs.kqed.org/mindshift/2011/05/10-open-education-resources-you-may-not-know-about-but-should/)

- MyOER.org
  - [http://www.myoer.org/](http://www.myoer.org/)

- HippoCampus
  - [http://www.hippocampus.org/](http://www.hippocampus.org/)

- EdSITEment (NEH)

- Social Homework @ Open Study
  - [http://openstudy.com/](http://openstudy.com/)
Future Ready
Key Concept
Reinvent Learning Environments
Would you want to sit in our classes?
Is this your classroom?

1891

2015
Create ‘Genius Spaces’
Structural changes in Future Schools

- Process of ‘de-structuring’.

- Flexibility infused in time, space and material management.

- Learning materials will multiply in variety moving away from traditional book-based learning.

- Transformation in classroom design yielding to space that facilitates interactive learning.
Future Ready

Key Concept

Professional Development and Growth
Master teachers MUST be master learners
The illiterate of the 21st Century will not be those who cannot read or write, but those who cannot LEARN, UNLEARN AND RELEARN.

(Toffler, 1971)
"I am still learning."

Michelangelo, age 87
“We are currently preparing students for jobs that don’t yet exist, using technologies that haven’t been invented, in order to solve problems we don’t even know are problems yet.”

Not all in a test score.

Make a Difference.
Once Upon a Time...
Every student deserves a champion!
Change is the law of life. And those who look to the past or present are certain to miss the future.

John F. Kennedy