Beyond Complexity

- Successful complex strategy can work until society serves up so much dynamic interaction that it cannot be controlled.
- The art of system change is to help people access how the system operates so that they can behave differently to stave off bad outcomes and obtain good ones.

Weakness of the GN, and innate potential of the GS is drawing them closer

- Weakness of Global North:
  - hierarchical
  - formal
  - failure to draw on the local for solutions
- Strength of Global South:
  - innovation
  - hands-on
  - community

Factors Related to Success

1. Small number of ambitious goals
2. Focus on leadership and capacity building for effective pedagogy
3. Establishing a dedicated leadership unit at the provincial level
4. Mobilizing data and intervention in a non-punitive manner
5. Strategic action to engage every level in coherent implementation
6. Using multiple overlapping strategies to learn from and refine implementation
7. The emergence of leadership from the middle (LftM)
8. Investment of resources attacking equity with excellence
Examples from the Middle

- Eldorado County, CA
- Ottawa Catholic School Board, ON

Transition Time

- System is short-changing the majority of students
- Teachers are unfulfilled
- State testing is wrong

Engage the world
Change the world

Defining the Six Global Competencies for Deep Learning

Deep Learning is the process of acquiring the six global competencies:

- **Character**
  - Communication: enhances social and emotional intelligence
  - Empathy: understanding and sharing the feelings of others
  - Self-awareness: recognizing one’s own emotions, thoughts, and values

- **Citizenship**
  - Service-learning: participating in service projects and community engagement
  - Global understanding: recognizing differences and similarities among cultures

- **Collaboration**
  - Teamwork: working effectively in a group towards a common goal
  - Interpersonal: building relationships and maintaining healthy boundaries

- **Critical Thinking**
  - Analyzing information: identifying patterns and trends
  - Problem-solving: identifying and overcoming obstacles

- **Creativity**
  - Innovation: generating novel ideas and solutions
  - Entrepreneurship: starting and growing a business

- **Change Science**
  - Learning that engages the world
  - Changes the world

**WHAT IS DEEP LEARNING?**

- Quality learning that sticks with you the rest of your life
- Learning that engages the world changes the world
How it Works

1. **Framework and set of tools and processes**

A New Role for Teachers

Three ways teachers can think about their role to engage and propel the learning process as:

- **Activator**
  - establish challenging learning goals and success criteria
  - access pedagogical practices to meet varying needs and contexts
  - provide effective feedback to activate higher levels of learning

- **Culture Builder**
  - Establish norms of trust & risk-taking to foster innovation and creativity
  - Engage student voice as co-designers
  - Cultivate learning environments to support perseverance, self-control and belonging

- **Collaborator**
  - Connect to students, families, community
  - Engage in collaborative inquiry with colleagues
  - Build and share knowledge of deep learning

Engagement

“One of the emerging findings is that the co-design of learning by teachers and students that builds on student needs and interests and links to authentic learning significantly impacts engagement.”

Character, citizenship and creativity are catalytic

“Character, citizenship and creativity are catalytic in sustaining well-being.”

Fuel & Glue

Street-level problem-solvers

1. Local
2. Middle
3. Top

Direction and liberation

Three Semi-Autonomous Levels

Connected Autonomy Within and Across Levels

- Foster learning within your level
- Partner upward and downward for transparency of practice and results
- Maintain autonomy while interacting
Good at learning
Good at life

It's time to transform learning