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School Leadership Seminar Series

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Stratosphere

Integrating Technology, Pedagogy and Change Knowledge

Michael Fullan

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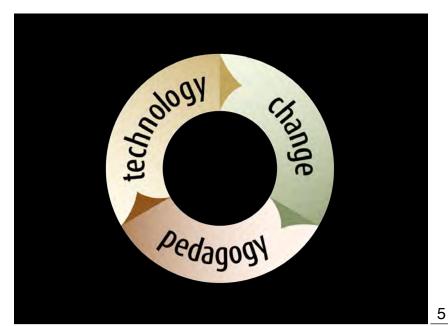## Change Savvy Leadership

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technology change pedagogy

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The Moral Imperative Realized

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Moral Imperative

- My moral imperative is....

- How does my moral imperative link to the school/system moral imperative....

- What is the evidence that my moral imperative is being realized...

- Next steps: What more could I do to realize my moral imperative in my school AND system...

The Practicality Ethic

More equal societies do better on almost every measure:

- Economic

- Health

- Social

Choosing the Wrong/Right Drivers

A Driver

- A policy and associated set of strategies that are designed to effect positively 'whole system reform'.

- A wrong driver is one that all evidence points to the fact that it does not have a positive effect.

- A right driver is one that the evidence confirms that it does have the desired effect.

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Four Criteria

- Foster intrinsic motivation

- Engage teachers and students in continuous improvement

- Inspires collective or teamwork

- Affects all teachers and students

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Self-Assessment Organizer

Wrong Drivers	Right Drivers
Accountability	Capacity building
Individual teacher and leadership quality	Collaborative work
Technology	Instruction
Fragment strategies	Systemness

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Good Accountability

- A function of good data, used as a strategy for improvement
- Non-judgmentalism
- Widespread transparency
- All of which produces strong 'internal accountability' which in turn produces strong public accountability
- We fuse assessment and instruction
(Putting the FACES on Data, Corwin)

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Collective Capacity Building

Collective capacity building involves the increased ability of educators at all levels of the system to learn from and with one another with a focus and a coherent strategy for improving learning.

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Technology vs Pedagogy

- **Technology is seductive**
- **It outraces pedagogy every time**
- **The digital revolution is now unstoppable: Technology for learning becomes 24/7; roles of student and teacher are flipped**

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Coherence Making

- Alignment is about structures; coherence is about mindsets.
- System coherence is about *shared mindsets.*
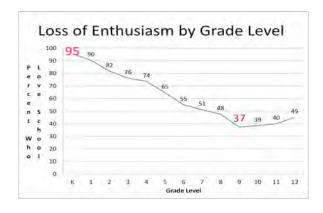- A tool is only as good as the mindset using it.

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The New Pedagogical Partnership

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It is getting worse…

Loss of Enthusiasm by Grade Level

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Facilitator vs Activator

‣ **Facilitator (.17)**
-Simulations and gaming; inquiry based; smaller class sizes; individualized instruction; problem-based learning; web based; inductive teaching.

‣ **Activator (.60)**
-Reciprocal teaching; feedback; teacher-student self-verbalization; metacognition; goals-challenging; frequent effects of teaching.

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New Learning

Exciting innovating learning
experiences for *all* students need to be:

✳ **irresistibly engaging for both students and teachers**

✳ **elegantly efficient and easy to use**

✳ **technologically ubiquitous 24/7**

✳ **steeped in real-life problem solving**

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Stratosphere

✳ **Best of all students learn collaboratively, consolidating connections with others locally and afar.**

✳ **Citizenship, human solidarity, collective problem-solving and sustainability are thereby served.**

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The New Pedagogy

→ **Teachers and students as pedagogical partners**

→ **Student Engagement**

→ **Instructional Precision**

Expert Teachers

- **Possess high levels of knowledge and understanding of the subjects they teach.**

- **Can guide learning to surface and deep outcomes.**

- **Can successfully monitor learning and provide feedback that assists students in progress.**

- **Can attend to more attitudinal attributes of learning.**

- **Can provide defensible evidence of positive impacts of the teaching on learning.**

—John Hattie, p. 48

Instructional Precision

- **Treating students as learning partners.**
- **Employing students' own tools for learning.**
- **Use more peer to peer teaching.**
- **Offering students far more choices rather than mandates.**

—Marc Prensky

Taking Action: Whole System Reform

The solution lies in the concentration of the three forces of
pedagogy, technology and change knowledge.

▸ **Make it all about learning.**

▸ **Let technology permeate.**

▸ **Engage the whole system.**

Using the Framework for Systemic Improvement Sample Questions

FRAMEWORK	SAMPLE QUESTIONS
Instruction and Assessment Nexus	• What's your innovation? • How will you create a learning environment in the classroom, school, district, state? • How will you shift the role of teachers and students? • How will you use data to inform instruction?
Leadership to Mobilize Capacity	• Who needs to be involved? • How will you engage them? • Who can provide leadership? • How will you build shared leadership?
Collective Capacity	• How will you foster collaborative learning? • What professional learning will be needed? • How can you provide PL to foster team learning?
Systemness	• How will you establish a clear, shared focus? • How will you create coherence between priorities, policies, and resources? • How will you foster connections across the organization? • How will you deal with distractors?

Fullan & Quinn 2012

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Its time to take the lid off learning

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ALWAYS LEARNING

Professional Learning Program