

Who we are...





OUR PURPOSE

To foster deep learning so that all learners contribute to the common good, address global challenges and flourish in a complex world.

What we do...

We build knowledge and practices that foster deep learning and whole system change



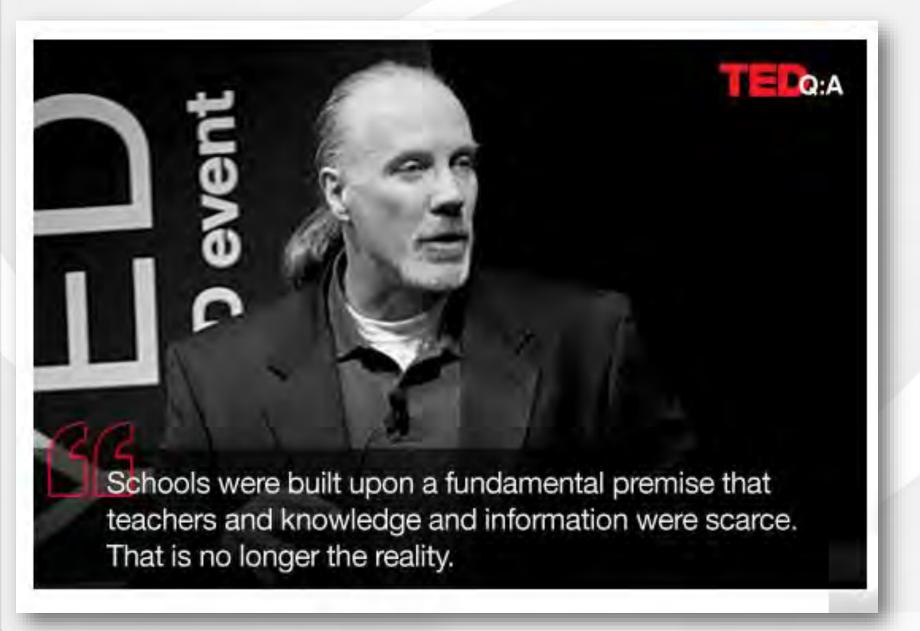
Why Innovation?

Why NOW?



The Complexity of our society...

- digitization of massive amounts of information
- smart systems that communicate interdependently
- the wholesale rewriting of industry norms and business models



Traditional schooling is outdated...

Non routine cognitive

Forming/testing hypotheses
Medical diagnosis
writing
Persuading/selling
Leading & Managing others

Routine cognitive

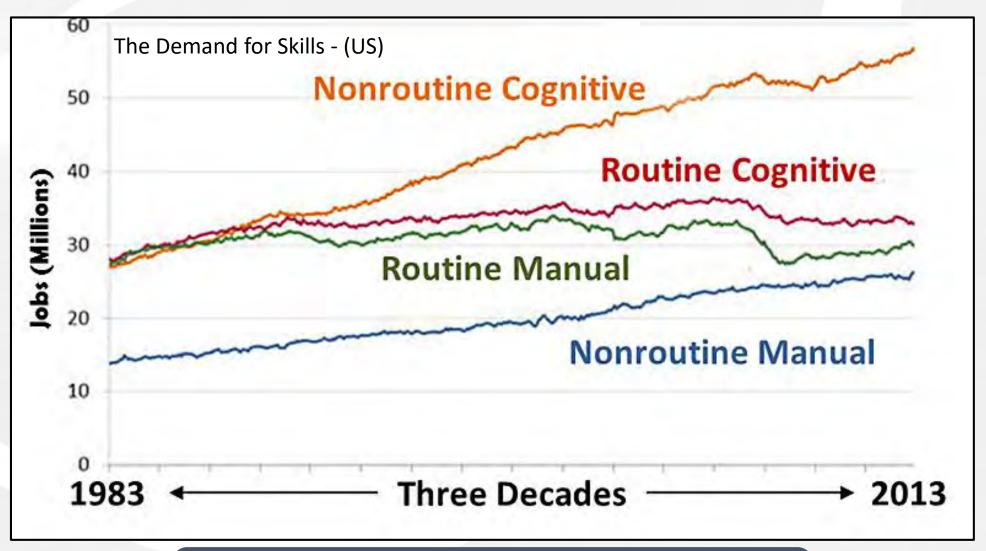
Record-keeping
Calculation
sales & office occupations
Repetitive customer
service(e.g., bank teller)

Routine manual

Picking or sorting
Repetitive assembly
construction,
transportation,
production and repair

Non routine manual service occupations assisting or caring for others

The labor market is askew



The dilemma for schools:

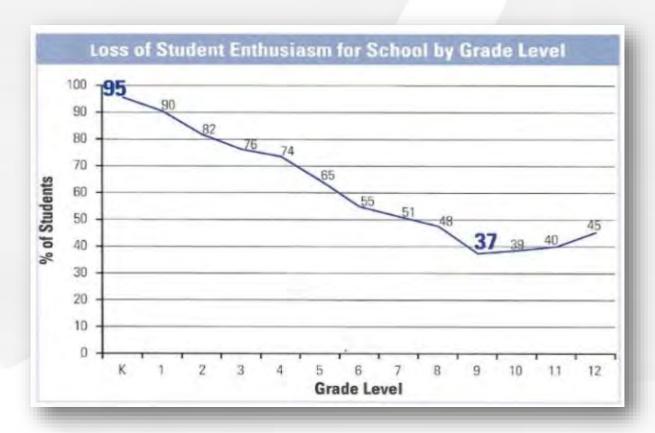
The skills that are easiest to teach and test are also the ones that are easiest to digitise, automate and outsource.



The Push-Pull Dynamic

The **push factor** is that students are increasingly bored in school

For teachers one could say that there is only **one thing worse than being bored** and that is "having to teach the bored."





The Push-Pull Dynamic

The **pull factor** is that the exploding and alluring **digital world** is irresistible.

The digital world of learning and

entertainment is exploding - most of it

outside schooling



"every turned off device is potentially a turned off child" stephen heppel







What is Deep Learning... and how do we measure it?

Global Competencies for Deep Learning – 6 C's

Six Global competencies define what it means to be a deep learner. Deep Learning experiences are engaging, relevant, authentic and build the 6 C's.

CREATIVITY

Having an 'entrepreneurial eye' for economic and social opportunities, asking the right inquiry questions to generate novel ideas, and leadership to pursue those ideas and turn them into action.





CRITICAL THINKING

Critically evaluating information and arguments, seeing patterns and connections, constructing meaningful knowledge, and applying it in the real world.

COMMUNICATION

Communicating effectively with a variety of styles, modes, and tools (including digital tools), tailored for a range of audiences.





CHARACTER

Learning to deep learn, armed with the essential character traits of grit, tenacity, perseverance, and resilience; and the ability to make learning an integral part of living.

CITIZENSHIP

Thinking like global citizens, considering global issues based on a deep understanding of diverse values and worldviews, and with a genuine interest and ability to solve ambiguous and complex real-world problems that impact human and environmental sustainability.





COLLABORATION

Work interdependently and synergistically in teams with strong interpersonal and team-related skills including effective management of team dynamics and challenges, making substantive decisions together, and learning from and contributing to the learning of others.

Deep Learning Progressions



A Deep Learning Progression is a description of what a student's knowledge and skills look like at different levels as they develop the Deep Learning competencies.

New Pedagogies for Deep Learning, 2014



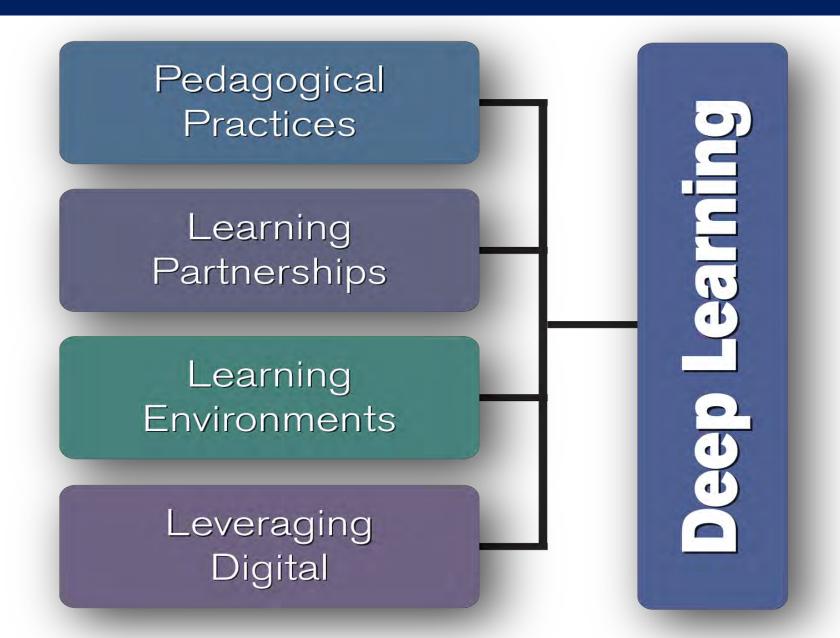
Collaboration Deep Learning Progression

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Dimension	Limited Evidence	Emerging	Developing	Accelerating	Proficient
Working interdependently as a team	I work together as a team. Learners may discuss some issues or content together, but skip over important substantive decisions (such as how the	I work. At this level, tasks may I not be well matched to each	I effectively together in pairs or I groups. Learners involve all I members in making joint	Learners can articulate how they work together in a way that is interdependent and uses each person's strengths in the best possible way to make sound substantive decisions and develop ideas and solutions. Interdependent teamwork is clearly evident in that learners' contributions are woven together to communicate an overarching idea and/or create a product.	Learners demonstrate a highly effective and synergistic approach to working interdependently in a way that not only leverages each member's strengths but provides opportunities for each to build on those strengths and learn new skills. This includes ensuring that substantive decisions are discussed at a deep level that ensures each team member's strengths and perspectives are infused to come to the best possible decision that benefits all.
Interpersonal and team-related skills			Learners demonstrate not only good interpersonal skills and collective ownership of the work; an active sense of shared responsibility is also evident. From beginning to end, the team listens effectively, negotiates and agrees on the goals, content, process, design, and conclusions of their work.	Learners can clearly articulate how joint responsibility for the work and its product or outcome pervades the entire task. Strong skills in listening, facilitation, and effective teamwork ensure that all voices are heard and reflected in the ways of working or work product.	Learners take an active responsibility, both individually and collectively, for ensuring that the collaborative process works as effectively as possible, that each person's ideas and expertise are used to maximum advantage, and that each work product or outcome is of the highest possible quality or value.



4 Core elements



Fusion of Pedagogical and Innovative Practices

Models

- Inquiry
- Problem based
- Experiential
- Simulations
- •

Design Skills

- Universal design
- Scaffolding
- Gradual release of responsibility
- •

Teaching strategies

- Cooperative learning
- Graphic organizers
- Reciprocal teaching
- Thinking skills
-

Assessment

- Formative
- Summative

• ...



Models

- Co design by learning partners
- Blended learning
- On line learning

Strategies

- Learning partnerships
- collaboration tools
- Threaded discussions
- Blogs, wikis
- Apps
- Gaming
- Coding
- Minecraft

Assessment

- Feedback analytics
- Self assessment
- Peer assessment
- ...

Joanne Quinn 2014



Precision and Coherence [6+4]

Global Competencies for Deep Learning - 6 C's

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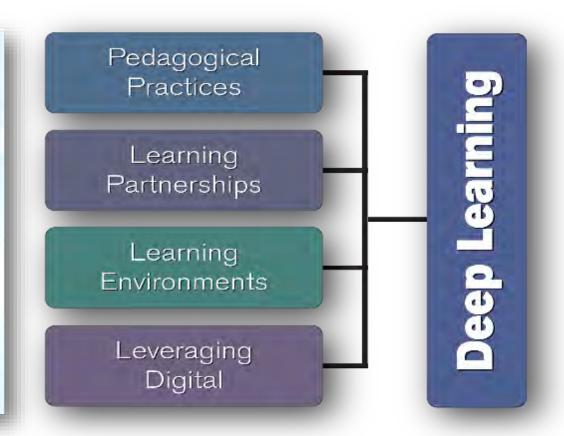
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How it all Comes Together

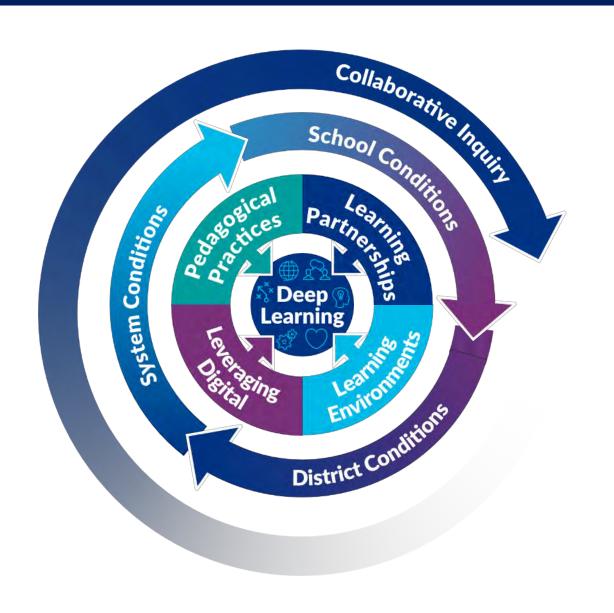
Clarity of learning goals (6 C's)



Precision in Pedagogy (4 elements)



Collaborative work (inquiry cycle)



Support - Our Suite of Tools

Deep Learning Progressions

Learning Progressions to assess and measure deep learning competencies:

- Character
- Citizenship
- Collaboration
- Communication
- Creativity
- Critical thinking

Learning Design New Pedagogies

Tools and protocols to design deep learning experiences:

- New Pedagogies Learning Design Rubric
- New Pedagogies Learning Design Protocol
- Teacher Self-Assessment

Learning Conditions

Rubrics to assess:

- System Conditions
- Cluster Conditions
- School Conditions
- ImplementationDiagnostic

How we support globally....

The Deep Learning Hub A collaborative learning and data collection platform for the deep learning journey



Connects people to:

- Educators across the globe
- Exemplars of deep learning created by teachers
- Tools and resources
 Capacity Building Support Modules



What are we seeing and learning?

- Shifts in pedagogical practices
- Increased "professionalism" of educators
- Student performance on global competencies
- The equity hypothesis



Designing Deep Learning



"The four elements of the new pedagogies triggered an 'aha' moment — they made teachers think about how they were designing their learning."

- The New Pedagogies
 Learning Design Protocol supports teachers in the design of deep learning experiences.
- The New Pedagogies
 Learning Design Rubric
 facilitates the assessment of deep learning experience
 design and re-design.

Professional Connections

- Conversations
- Moderation
- Shared design
- Pedagogical partnerships



One thing that came up as very positive was the exchange between different schools and the good receptions between different principals at both high schools and primary schools. In the evaluation of workshops, they mentioned

that they workin



As educators, [we] felt we pushed ourselves out of our comfort zone in the areas of technology use as well as student inquiry and collaboration.

teachers,

Their

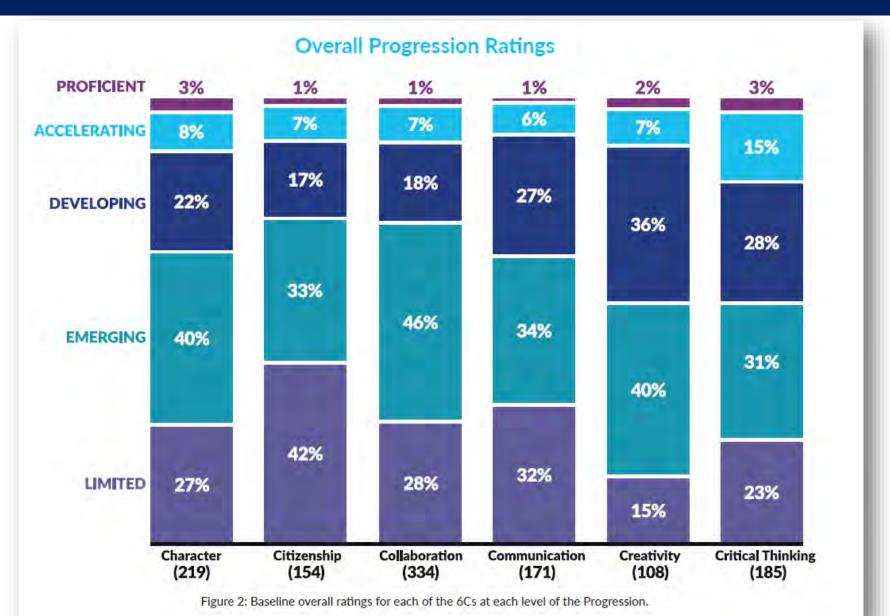
"I was able to wa as well as learn v **Parent**

Teachers

"The learning partnerships quadrant is a strength for us. What we've seen is that whether it's bringing in parents and kids as partners or bringing in experts from the community, there's a lot of fertile ground in that one quadrant of the framework."

Cluster Leader

Student Performance



Our Equity Hypothesis

- Deep Learning connects learners to their real world.
- It helps build new and stronger relationships with all learners.
- Through inquiry it builds skills, knowledge, self-confidence, and self – efficacy.
- Deep Learning increases self and other expectations.
- Deep Learning feeds a desire among most children to contribute to the common good (which we call helping humanity.)
- Deep Learning creates citizens of today for tomorrow.

 Michael Fullan 2016



I hear a lot of 'I didn't know my students could do this' or 'I didn't know my child could do that.' [With NPDL] students get to be smart and good in different ways and traditional school doesn't always provide them with those opportunities. NPDL gives all kids the chance to be amazing and show the gifts they bring. The way we view our students is changing along with the opportunities we give them to be great.

Cluster Leader



What has become clear for you?

- What questions do you have?
- How might NPDL help you accelerate and amplify your goals?

Resources and information:

NPDL Global Report (download):

bit.ly/NPDLglobalreport16

and

www.npdl.global



