Can We Leapfrog?

The Potential of Education Innovations to Rapidly Accelerate Progress

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LEAPFROGGING INEQUALITY

Remaking Education to Help Young People Thrive

Rebecca Winthrop
with
Adam Barton and Eileen McGivney
1. Resistant to change | Resistente al cambio

2. Cutting-edge | De vanguardia

3. Innovative | Innovador

4. Political | Político
What Can Education Learn From Other Sectors?

Information
Telecommunications
Banking
LEAPFROG
What can education innovations tell us about leapfrogging?
Innovation Taking Root across the World

Global Catalog:
~3,000 innovations
166 countries
What are innovations doing?
What are innovations doing?
What are innovations doing?
What are innovations doing?

Media Lab
Amazonas State, Brazil
What are innovations doing?
Global Education Innovations Community
Leapfrogging to where?
The Twin Problems in Global Education

Skills Inequality

Will not have basic secondary skills

Will have basic secondary skills

Skills Uncertainty

50-70% of worker tasks lost to automation
Leapfrog to: Breadth of Skills
How Do We Leapfrog?

Transform What and How Children Learn
Traditional Pathway for Education Progress

Access

Quality

Relevance
The Leapfrog Pathway: Access, Quality, Relevance at the Same Time

### Core Elements

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<td>Tech &amp; Data</td>
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**Support Elements**

*All children have breadth of skills to thrive in a changing world*
The Leapfrog Pathway

**CORE ELEMENTS**

**TEACHING**
- Playful + Interactive + Lecture-based
- Interactive + Lecture-based
- Lecture-based

**LEARNING**
- Evaluate and Create + Apply and Analyze + Remember and Understand
- Apply and Analyze + Remember and Understand
- Remember and Understand

**PROGRESSION**
- Individual-based + Group-based + Predetermined
- Group-based + Predetermined
- Predetermined

**VERIFICATION**
- Industry-led + Hybrid-led + Education-led
- Hybrid-led + Education-led
- Education-led

**RECOGNITION OF LEARNING**
- Increasingly Individualized

**TEACHING AND LEARNING**
- Increasingly Student-centered

**SUPPORT ELEMENTS**

**PEOPLE**
- Everyone + Teachers team with others + Licensed teachers
- Teachers team with others + Licensed teachers
- Licensed teachers

**PLACES**
- In a diversity of contexts + Connected to outside school + In-school
- Connected to outside school + In-school
- In-school

**TECHNOLOGY AND DATA**
- Increasingly Results Oriented

**TECHNOLOGY**
- Modification and redefinition + Augmentation + Substitution
- Augmentation + Substitution
- Substitution

**DATA**
- Data for transforming learning experiences + Data for program improvement + Data for compliance
- Data for program improvement + Data for compliance
- Data for compliance
Teaching and Learning

- Playful Learning: 69%
- Seek to Improve Teachers’ Skills with Playful Learning: 9%

Increasingly student-centered
Recognition of Learning

Recognition → Increasingly individualized

15% Individualized Progression

2% External Verification
People and Places

People & Places ➔ Increasingly diverse

37%
Unburden Teachers
Technology and Data

Tech & Data → Increasingly results-oriented

20% Modify/Redefine
Leapfrog Potential?

1. Optimistic for Potential
2. Transforming Teaching and Learning
3. Enabling Environment
Thank you!