

## **Session 3: Innovative approaches to teaching and learning: The role of academic institutions in building a workforce fit for purpose**



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**SANTO DOMINGO 2018**



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**J-WEL**

**Abdul Latif Jameel World Education Lab**

## Session 3

Innovative approaches to teaching and learning: the role of academic institutions in building a workforce fit for purpose

Monday, 18 June, 16:00 – 17:30

Global ICT Capacity Building Symposium (CBS)

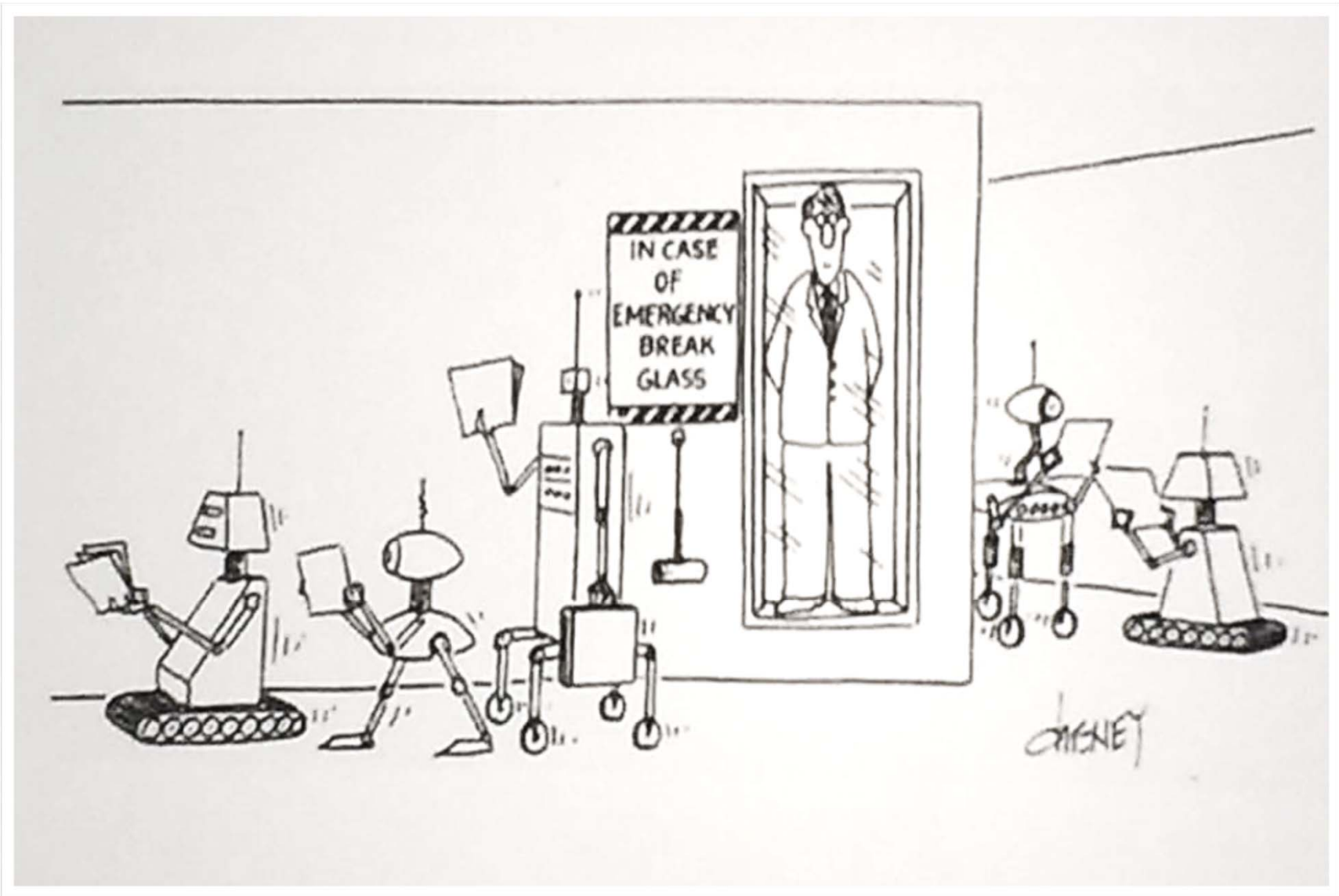
Santo Domingo, Dominican Republic, 18-20 June 2018

# The Challenge

260 million children are out of school (UNESCO)

China is building the equivalent of one university a week to meet demand (BBC)

As much of a third of the US workforce is at risk of losing jobs due to AI and automation by 2030 (McKinsey)

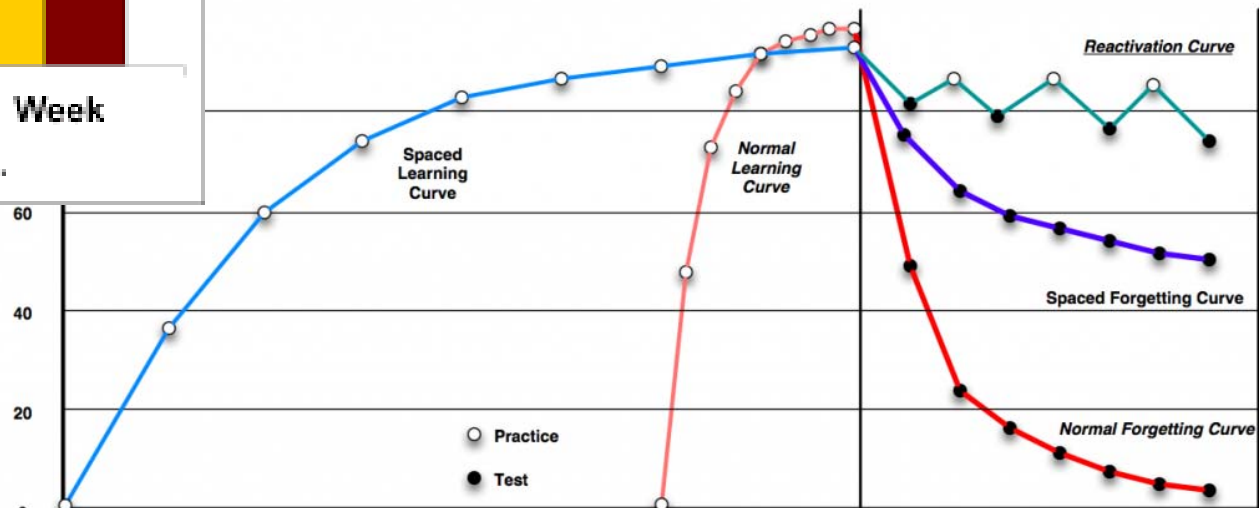
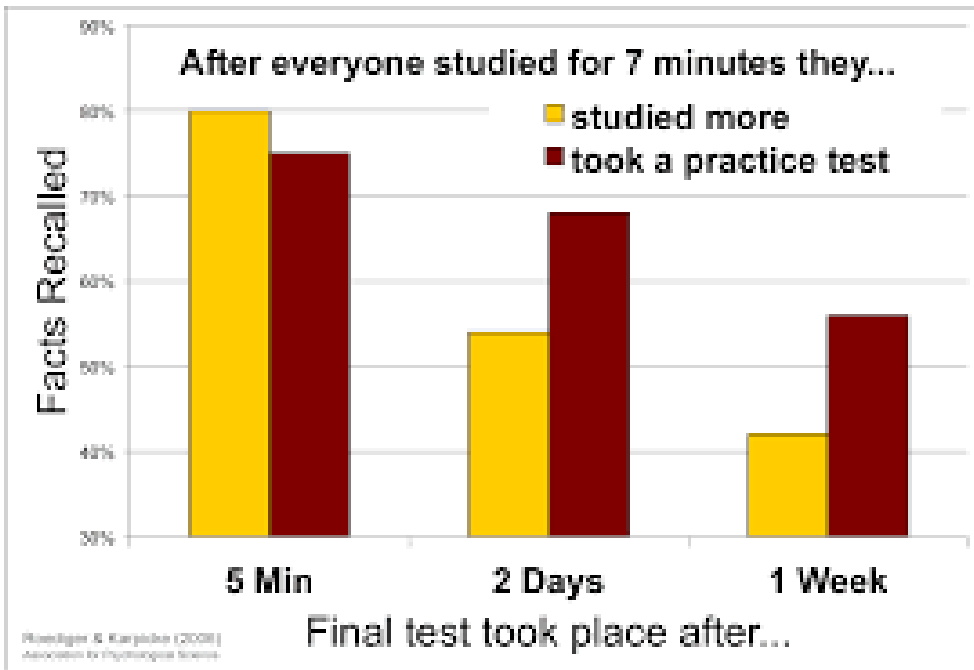


## WHAT WE KNOW

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- ▶ We learn by constructing a model of the world
- ▶ We do it in small chunks
- ▶ Immediate testing is good
- ▶ Forgetting and reminding is key to learning
- ▶ Changeup helps learning
- ▶ Context is critical
- ▶ Hands-on helps learning
- ▶ Just in time learning works
- ▶ Applicability is important
- ▶ Use of knowledge embeds lessons

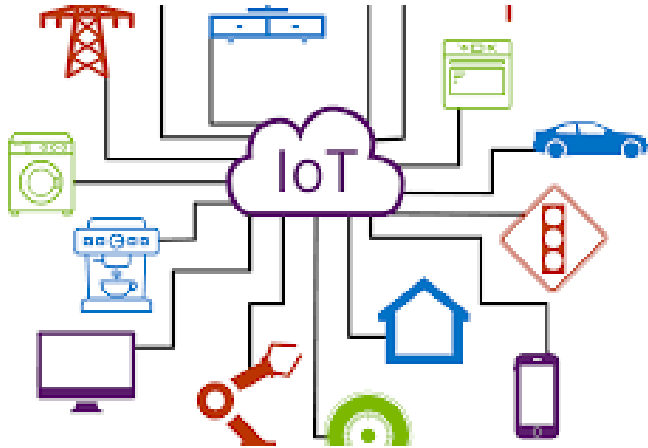
## WHAT WE KNOW



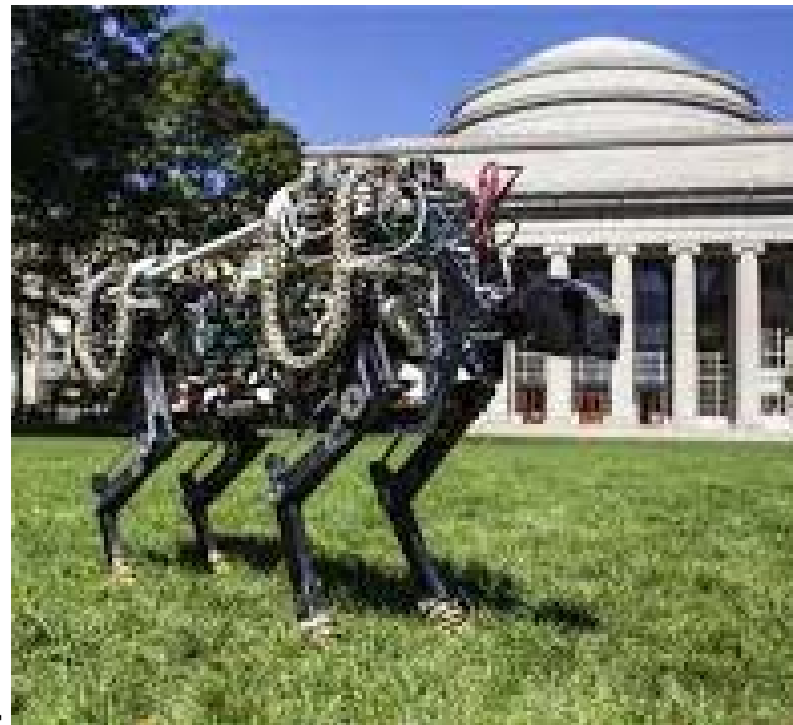
Adapted from Thalheimer, W. (2006). *Spacing Learning Events Over Time: What the Research Says*. Work-Learning Research, Inc.



This requires a fundamentally different approach to learning



The learning experience has to change



WE MUST LEARN HOW TO LEARN, EVERY DAY,

FOREVER!



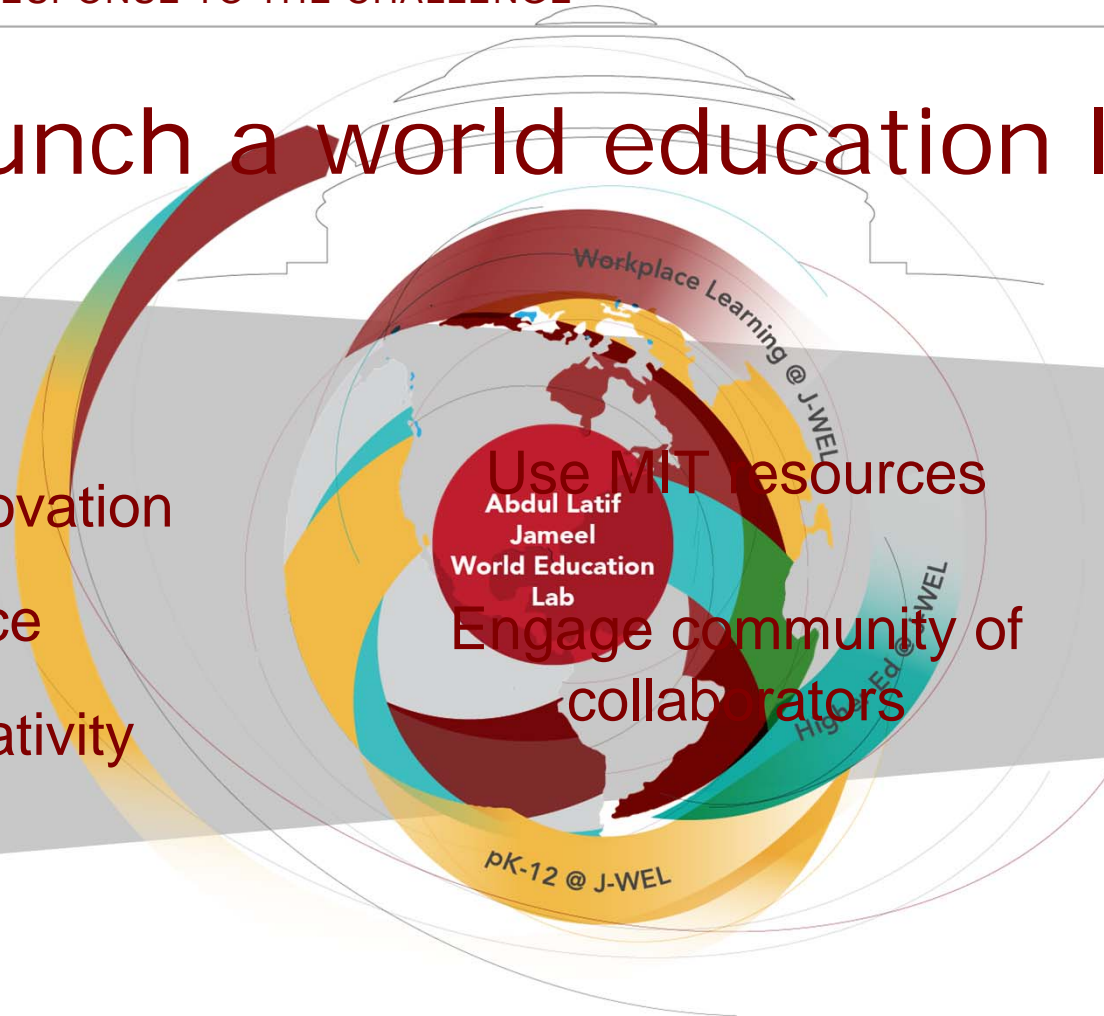
# Launch a world education lab

Digital learning

Residential innovation

Learning science

MIT faculty creativity



Sustainable,  
worldwide  
transformation in  
Education

## J-WEL's Approach

Leverages the power of community

Reduces cost to members

Maximizes MIT faculty engagement

Generates new knowledge

Preserves useful knowledge

# J-WEL's Structure

pK-12

Higher Education

Workplace Learning

Provide research-driven insights and tools that help individuals and organizations to develop the skills they need to thrive in the modern economy.

FOCUS OF OUR COLLABORATIVE

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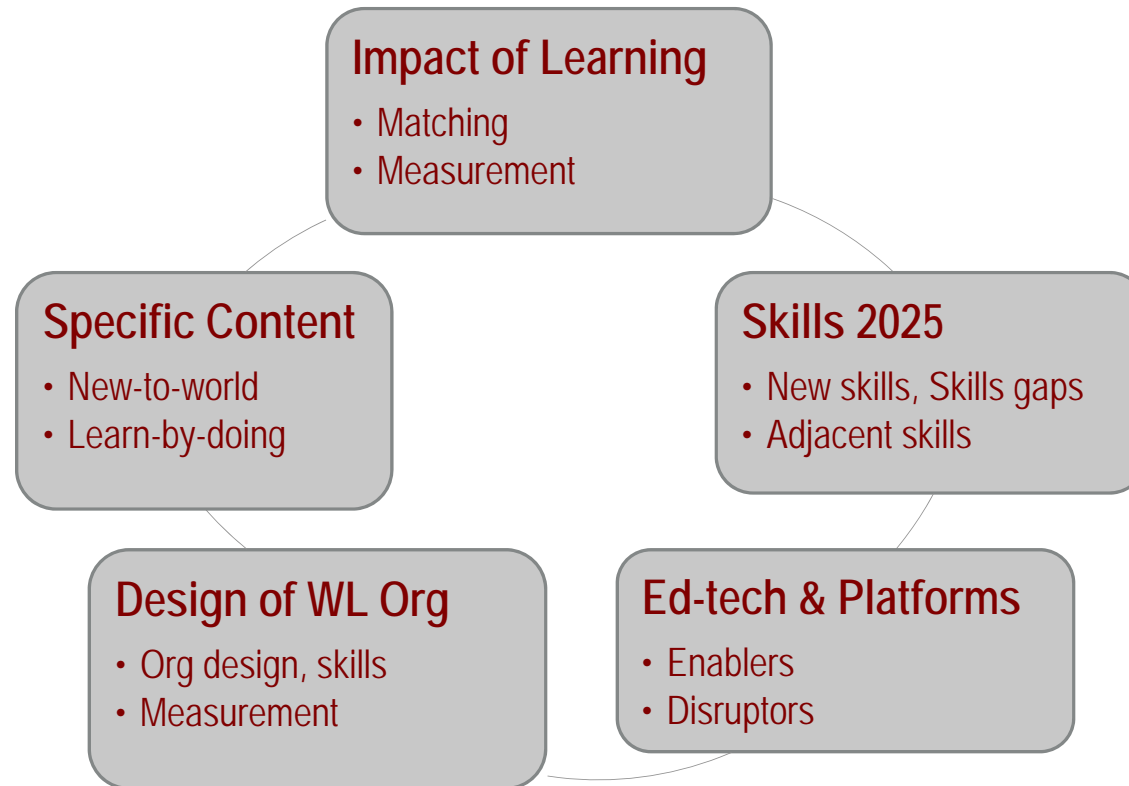
# View of employer and worker

Skill trends and gaps

Employment and employment readiness

Learning and training and practice

# Co-create solutions to address your biggest challenges



INTERACT WITH PEERS AT LEADING COMPANIES

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## Join leading businesses



JOIN US

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# Interested in joining us?

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