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New Technologies & Education

From bridging the gap to transformative change

Tania Rajadel

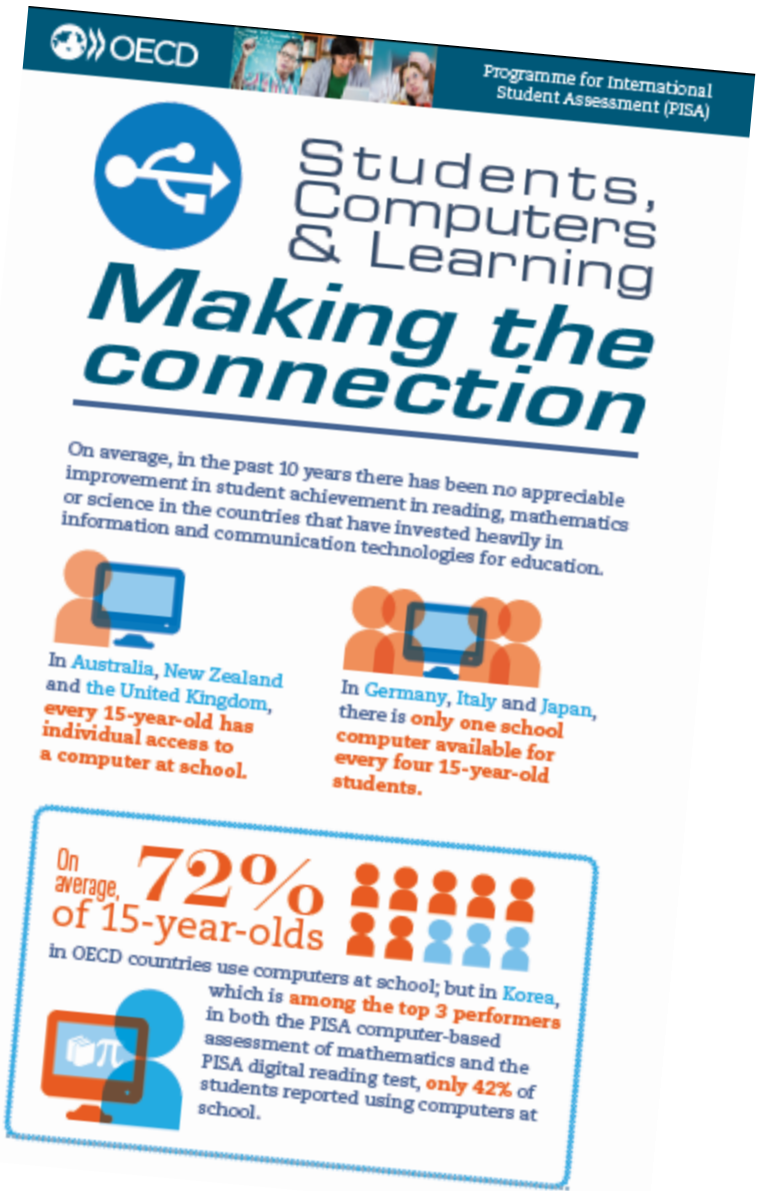
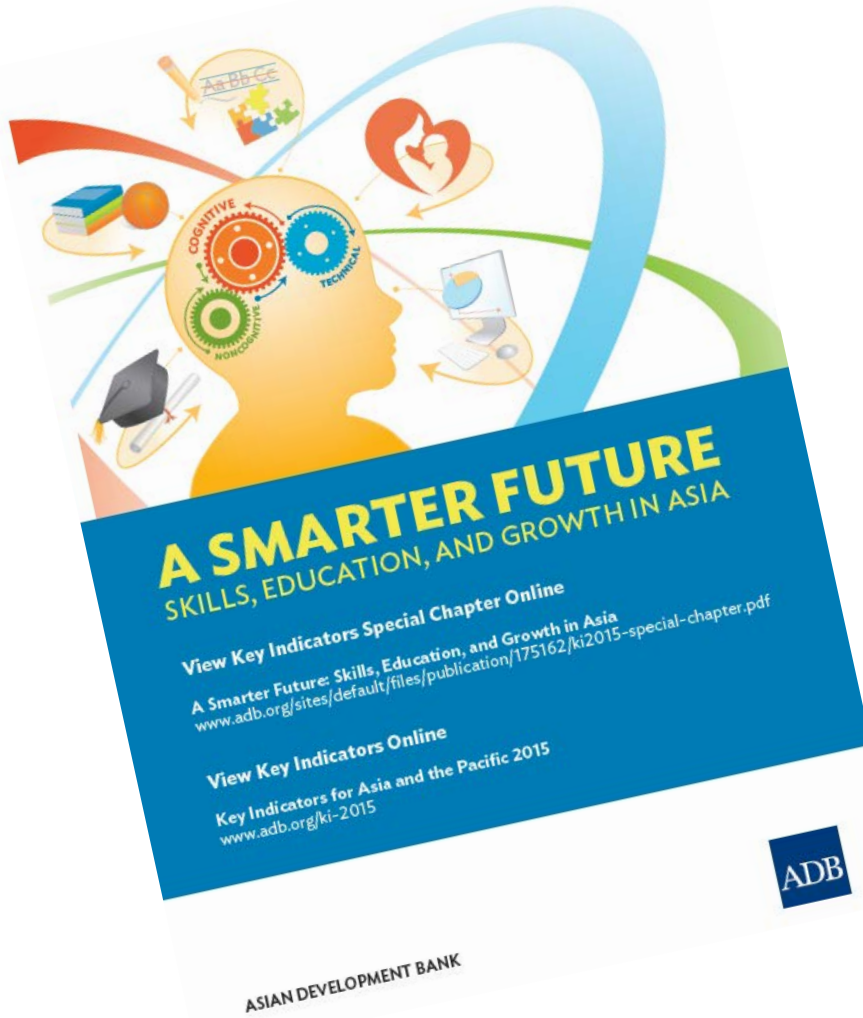
June 7, 2016

New technologies hold great potential

- Broadening access to education
E.g. distance learning
- Expanding resources for teaching & learning
E.g. open online resources, repositories
- Ushering in new pedagogical approaches
E.g. blended learning
- Changing the way education institutions are run
E.g. new tools for management and governance

Yet...

Evidence of new technologies' impact on learning outcomes is mixed



While programs such
as One Laptop per
Child failed....



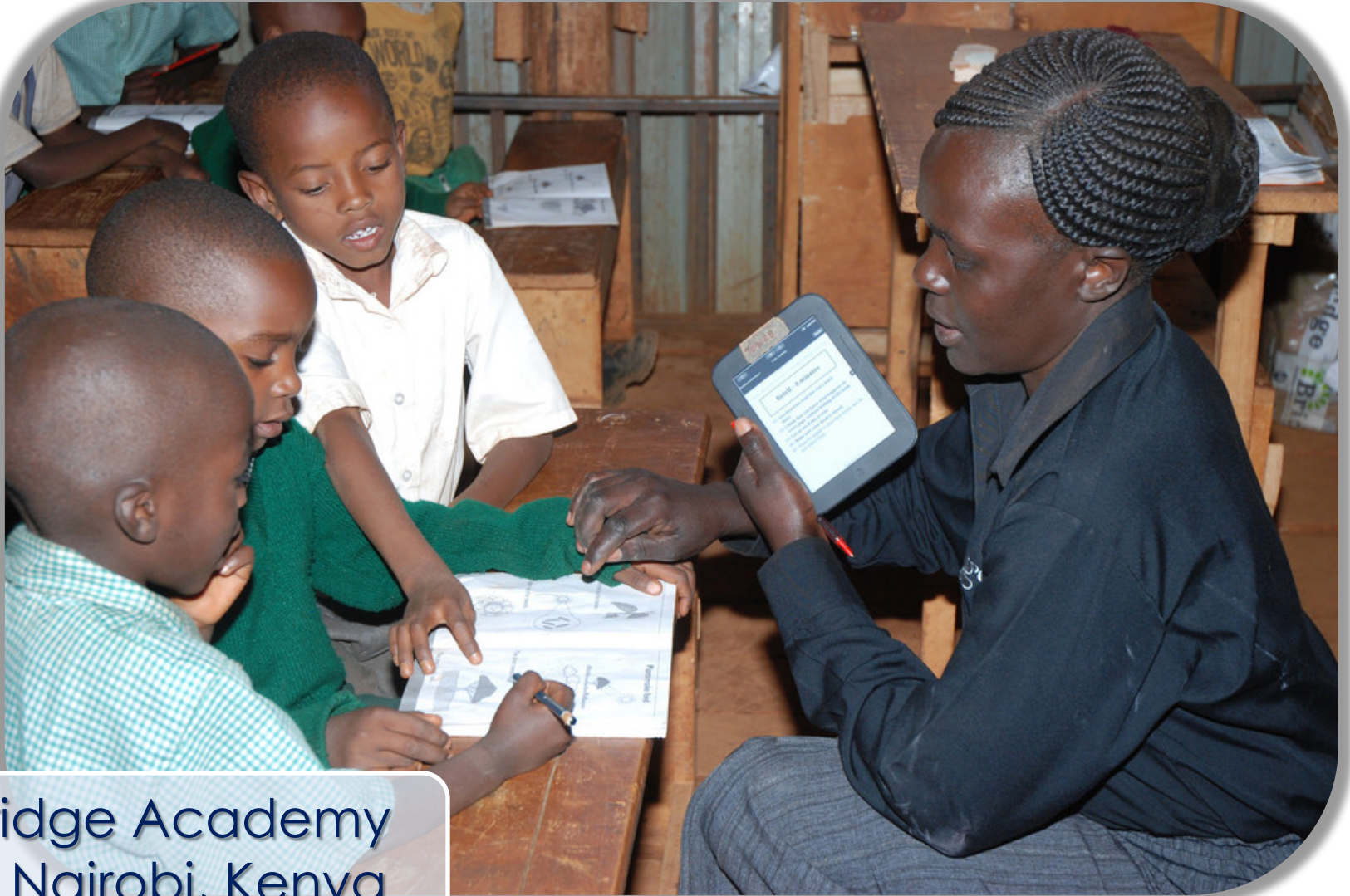
*Central Visayan Institute Foundation-
Dynamic Learning Program*



... others achieving tremendous results
without relying on new technologies

The use of new technologies in education
spans a wide range of realities

Scripted lessons



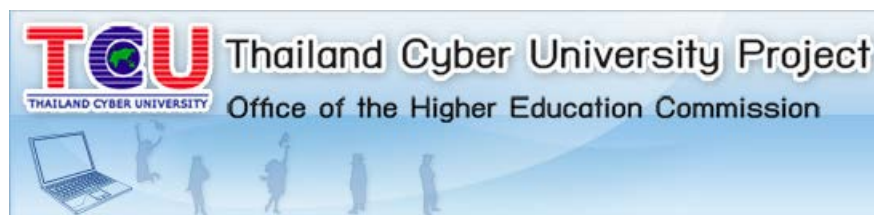
Bridge Academy
in Nairobi, Kenya

Videoed lectures

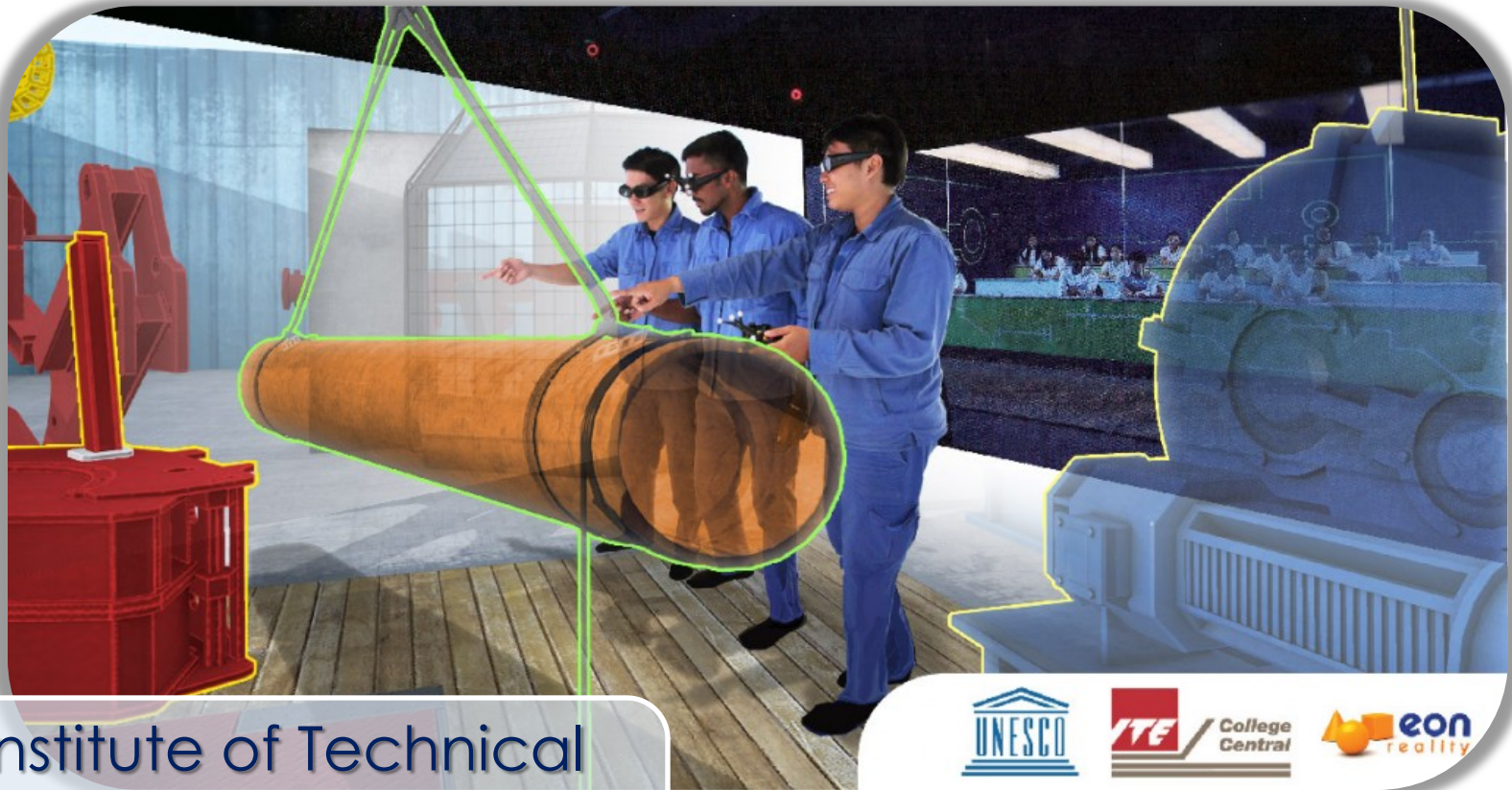


Upper secondary students from rural China listening in on a lesson given in Beijing

Digital resources for teaching and learning



Virtual reality



Institute of Technical
Education, Singapore
3D simulation



Adaptive learning



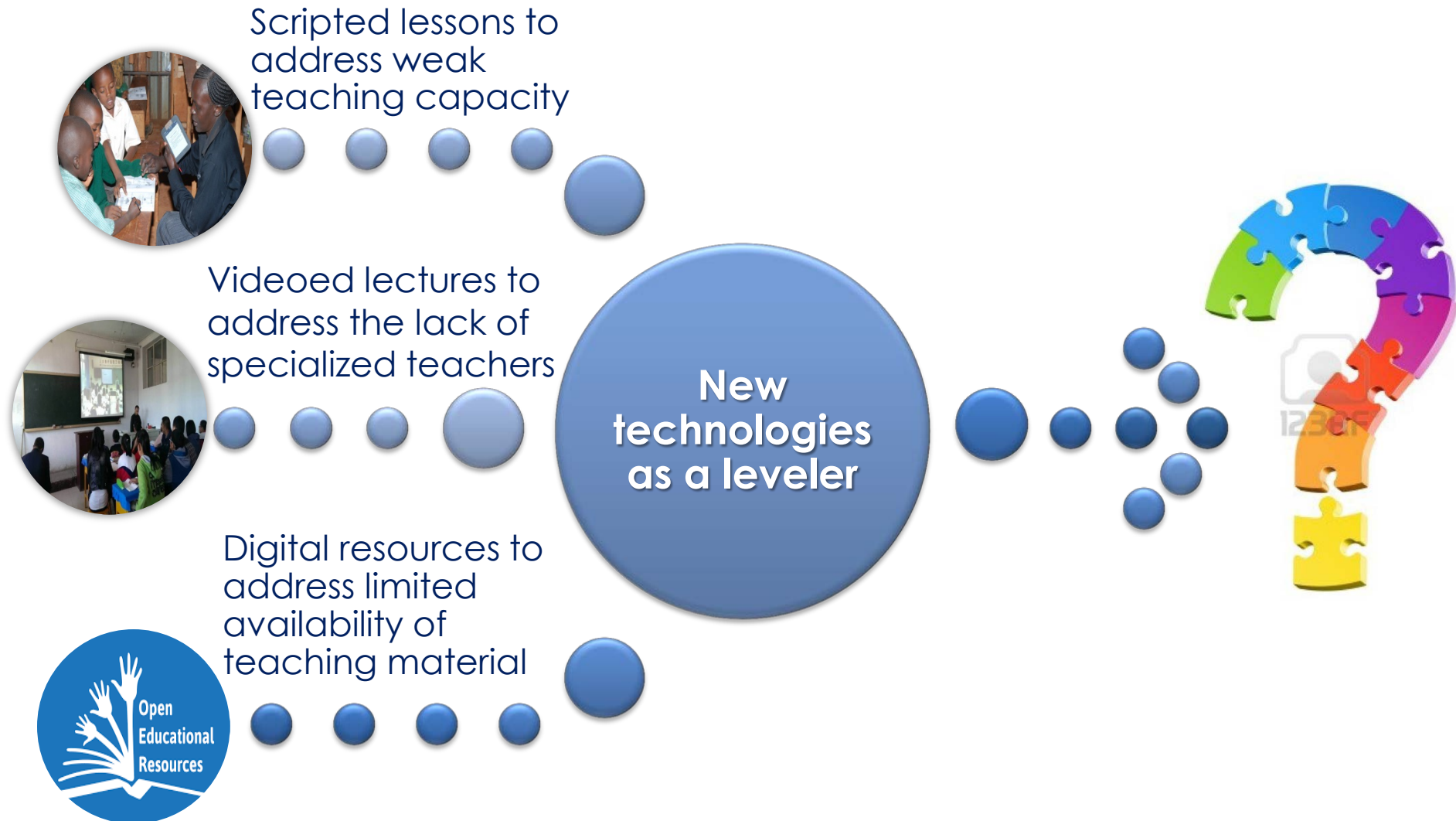
New software for customized learning pathways

Virtual universities



Minerva university

New technologies as a means to bridge gaps




New technologies as a catalyst for improvement...



... still burgeoning though
Impact evaluation are needed

New technologies are a tool

Moving forward, a few guiding principles

- 
- Stepping up successful interventions
 - Scaling up vs.
 - Upgrading
 - Adopting the right technological solution
 - Redefining “best”
 - Engaging end users (including teachers!)
 - Building evidence
 - Setting up strong monitoring and evaluation systems