UNLEASHING HUMAN POTENTIAL – EDUTECH AND INTERNATIONAL EDUCATION

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Matthew Riddle – La Trobe University
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Today’s world of global connectivity, global mobility, global perspectives

Machine learning
AR/VR
Virtual mobility
Cultures
Gamification
Data analytics
Micro learning
Social platforms
Learner experience
Mindsets

Robotics
Languages
Personalised
Collaboration
Bio metric data
Robotics

Borderless education
Materials

Challenges
Fear Mobility
Cost/Value

Anywhere access
Multiple intelligences
Agility
Automation

System innovation

Learner-driven
Automation

Opportunities
Human + machines
Humans + machines

Learning, work, life

Automation

Data analytics
Mindsets

IOT

Real time
Scale

Control

Diversity

Learning, work, life
Maria Spies
General Manager, Navitas Learning & Teaching Services
Head of Digital Learning Futures, Navitas Ventures
Learning, Teaching and the Delivery of Education is being Re-shaped by Technology

By 2020, four countries – China, India, US and Brazil are forecast to account for more than half of the world’s tertiary enrolments.

Indonesia, Turkey and Nigeria will become increasingly important players in the global tertiary education sector, while Russia, Iran and South Korea’s global market shares are forecast to fall.

North America
- Traditional destination for international students;
- Large domestic market;

Asia
- Global education demand driver;
- Rising middle class;
- Developing education systems;

Europe
- Fragmented markets; Germany, UK and France inbound destinations

Russia
- Huge domestic market;
- Low outbound mobility

South America
- Developing markets;
- Increasing HE enrolments

Middle East and Africa
- Developing markets;
- Increasing HE enrolments

Australia
- Traditional destination for international students;
- Small global share;
- Leverage proximity to Asia;
- Historical strength in distance/OL

British Council. The Shape of Things to Come: higher education global trends and emerging opportunities to 2020
## Technology as Both Driver and Enabler

Digital forces are both shaping and supporting education trends

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WHAT TECHNOLOGIES ARE SHAPING LEARNING AND TEACHING?

The diagram compares the views of Edtech startups, University Leaders, and Students on the impact of various technologies on learning and teaching. The technologies include Artificial Intelligence & Machine Learning, Internet of Things, Virtual & Augmented Reality, Chatbots & virtual assistants, Robotics, and Blockchain. The impact is measured on a scale from 'No impact' to 'Very high impact'.
My big question...

How can we, as a sector, use advancements in technology to stay relevant for the world’s changing learner profiles, needs and expectations?
All kinds of clever

Matthew Riddle

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online.latrobe
La Trobe Online

- Covers all stages of the fully online student lifecycle
- Building a comprehensive portfolio of courses, subjects and modules with a consolidated approach across the university
- Focus is building internal capacity and capabilities
- Institution-wide strategy
Student Experience
The student experience includes all with the University throughout the entire student journey. The online touch points will be optimised for a quality (UX), customer (CX) and learner (LX) experience. The LTO student experience is personalised and student-centred, characterised by trustworthy, timely and well-informed advice within an inclusive and socially connected learning environment.

Inclusiveness
Everything we do online will be purposefully designed to be accessible, inclusive and open to students with varying needs and from different backgrounds and cultures. Our digital environments and materials will be DDA compliant and designed to promote student success.

Flexibility
Meaningful choices for students to engage when they want (daytime, evenings, weekends), where they want (home, workplace, on the move) and how they want (accelerated, part time, or paused). Flexible offerings with multiple intakes per year, modular designs, and the options to switch from a fully online mode to blended on-campus mode when desired.

Demand-driven
We will invest in a portfolio of products that appeal to La Trobe’s existing market as well as non-traditional and new markets, shaped by market demand, opportunity for growth, employability and career outcomes.

Innovation
Our model is new and creative, to exceed contemporary student expectations. We have innovative pathways for students, from short modules leading to fully accredited subjects and courses. All of our online products are designed using ‘mobile first’ principles, the latest learning technologies, and engaging and relevant content and activities.

Quality
All our online products are quality assured, with student success in mind. LTO courses are engaging, well supported and relevant to industry and contemporary society needs.
Opportunity

- Strengths of Australian universities
- Relevance to re-skill and up-skill space
- Appetite for online degrees widely recognised locally
Challenges for online international

- English is a second language
- Price-sensitivity
- Competition
- No equivalent to agents
- Independent learning
- Recognition of online degrees
- Local online providers
My Big Question...

How can Australian institutions position themselves to be global players in online learning?
Riley Batchelor
Ceo
EduGrowth

Australia's edtech acceleration network for scalable borderless education
The global borderless education opportunity

- Austrade AIE2025 process identified that we have a very strong international education industry, but are only capturing a tiny fraction of a growing global market of learners. Forecast is for 1 billion global learners by 2025.
- With our current strategy we will reach around 1 million learners in 2025 (On-shore), a huge industry but it’s only 0.1% of the potential 1 billion global market.
- Our goal is to reach 10% or 100 million learners by 2025
Our Goals

We believe that technology and industry wide collaboration are essential to reaching this goal. Our focus is on several key areas:

1. Creating a world leading edtech industry in our backyard as a partnership between the education industry and the technology industry.

2. Creating a collaborative network of stakeholders from all corners of the industry.

3. Creating a culture of innovation and technological change within the education industry.
Our Progress

- Over 100 members from across all sectors of the industry
- 6 Founding Members
- 2500 event attendees over the last 12 months
- 250 start-ups in our support programs
The Opportunities

- Collaboration across sectors and between institutions leads to positive change and growth.
- Enhancement of educational delivery, operational efficiencies and learning outcomes for all through new models and technology.
- A large economic growth opportunity for the industry and for the country.
- An opportunity to further build on Australia’s reputation for quality education. Quality + Innovation.
- Having a world class top 5 edtech industry in Australia gives us a competitive advantage over other countries in capturing a slice of this huge market.
My Big Question...

Will Australia be able to keep up with and outpace the other countries leading the world in education technology innovation like the US, China and the UK and reach 100 million learners by 2025?
Global Edtech Landscape 3.0
Maps 26 clusters of 15,000 companies into eight steps Navitas Ventures calls the ‘Next Generation Learning Lifecycle’
Global edtech trends....

Evolving alternative models
Continued experimentation e.g. partnerships with traditional players, licencing models MOOC 2.0

Education to work
Increasingly blurred boundaries. Convergence of ‘edtech’ and ‘talentech’. Solutions for internships and job placement at scale

Alternative credentialing
New ways of recognising education and skills. Learner-led, portable and personalised. Early experimentation with blockchain technology

One size fits one
Continued trends in gamification, AI, AR / VR and adaptive systems to support individualised learning

Tackling complex learning problems
Using technology to solve issues around complex learning activities such as critical thinking and group work

Big in emerging markets and concentrated in distinctive areas
K-12. Test preparation. Learning English using video conferencing
My big question…

Will Australia’s established international education sector be agile and open enough to be part of this future?
The Big Questions

Maria: How can we, as a sector, use advancements in technology to stay relevant for the world’s changing learner profiles, needs and expectations?

Matt: How can Australian institutions position themselves to be global players in online learning?

Riley: Will Australia be able to keep up with and outpace the other countries leading the world in education technology innovation like the US, China and the UK and reach 100 million learners by 2025?

Kadi: Will Australia’s established international education sector be agile and open enough to be part of this future?
12 MONTHS FROM NOW

One word wrap on something big over the horizon .....
THANK YOU