



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KĪA NOHO TAKATŪ KI TŌ ĀMUA AO!

Education for the Future

Dr Grant Klinkum, Deputy Chief Executive, Quality Assurance

6 September 2017

THE DISRUPTOR

• 91% OF NZ CONNECTED

Chartered Accountants Australia and New Zealand (2015)



BORDERLESS EDUCATION



WORKPLACE IS MOBILE



885,000 (46%)

NEW ZEALAND JOBS AT RISK OF AUTOMATION IN THE NEXT TWO DECADES



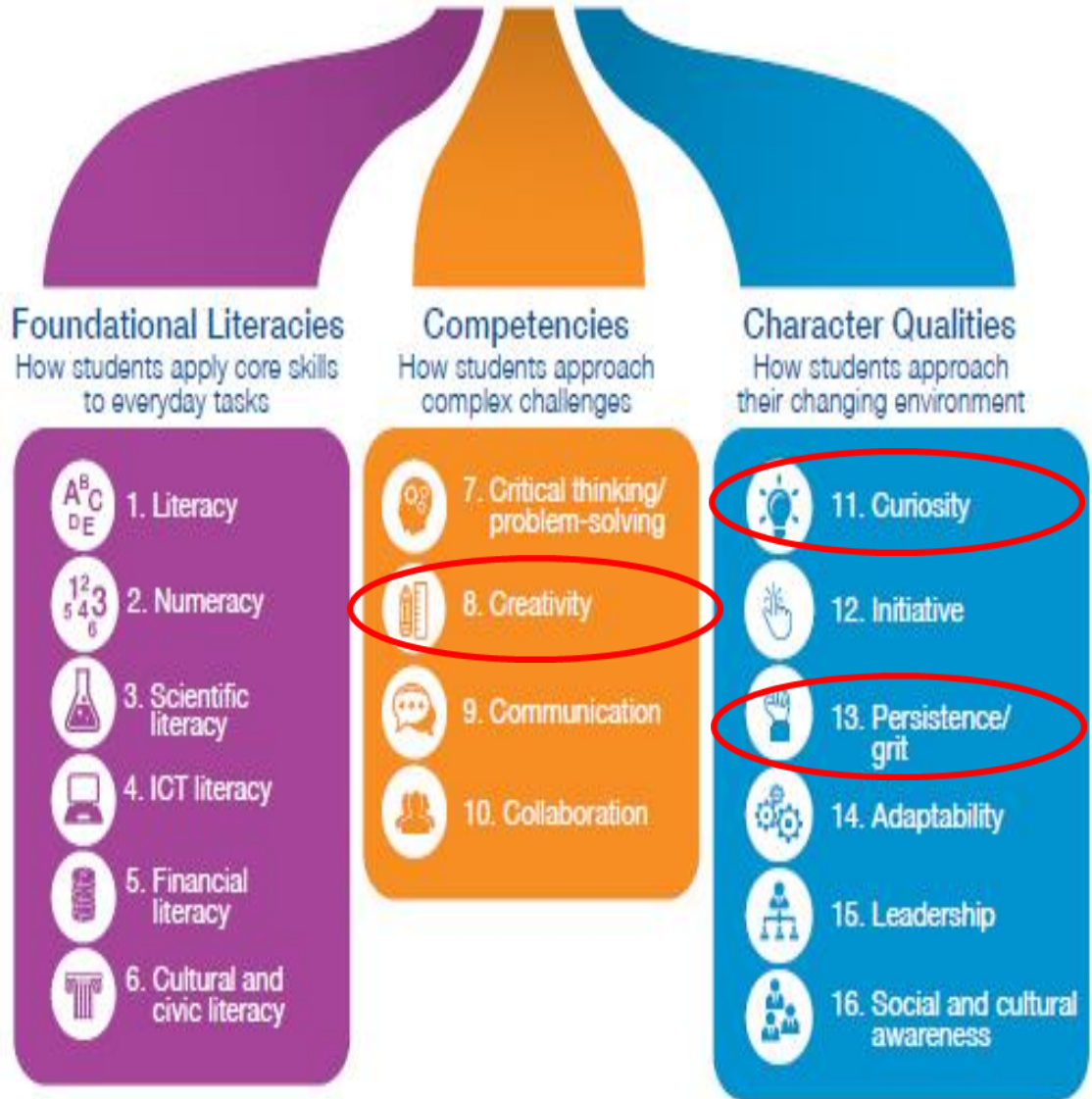
Jobs to Think About Now

- Software Engineer
- AR/VR
- Computer Visioning
- Data Science
- Cyber Security
- AI and Machine Learning
- Energy
- Social Enterprise
- Imagineering
- Agile Processing
- Emotional Intelligence
- Psychology
- Design
- Ethics
- Trust Engineer
- ???

Artificial Intelligence?

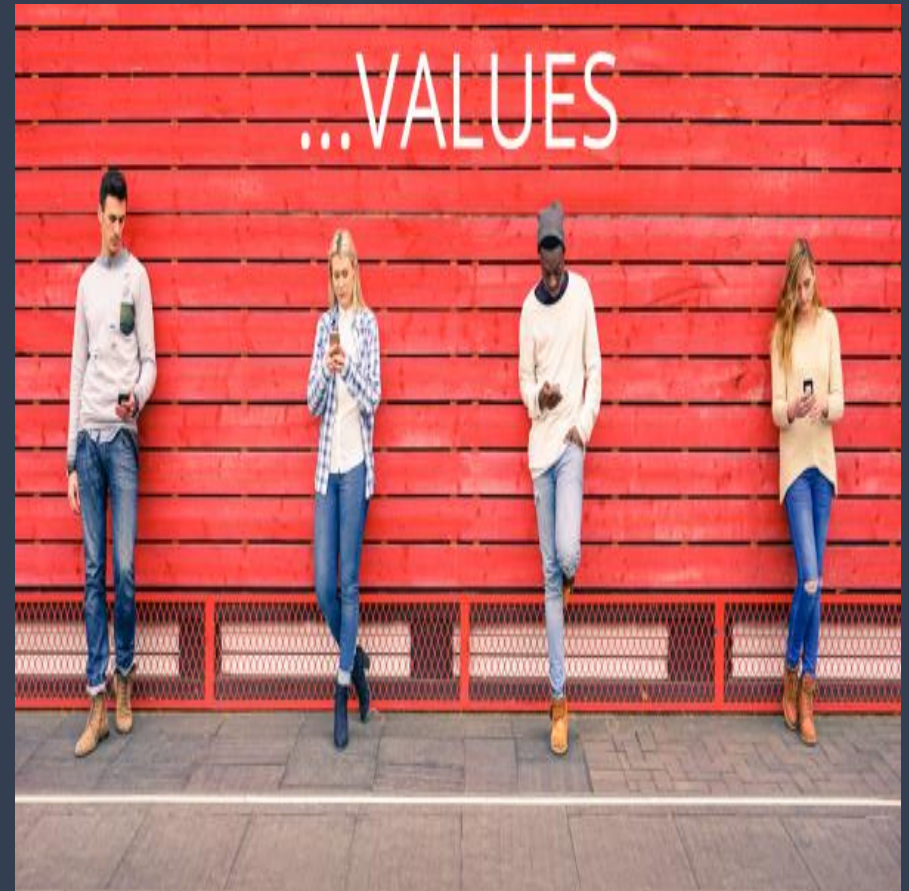


21st CENTURY SKILLS

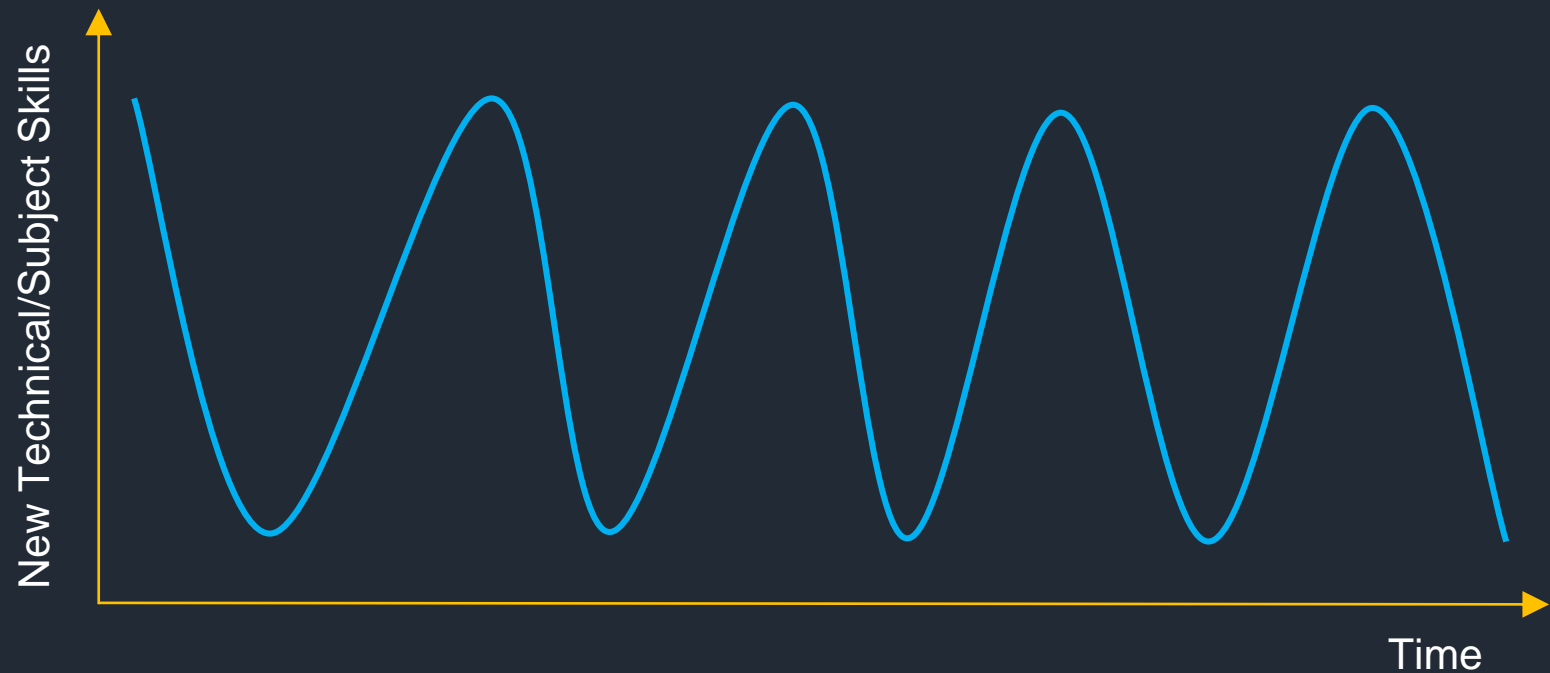


Top 10 Skills in 2020

1. Complex problem solving
2. Critical thinking
3. Creativity
4. People management
5. Coordinating with others
6. Emotional intelligence
7. Judgement and decision making
8. Service orientation
9. Negotiation
10. Cognitive flexibility



Subject Matter and Technical Skills



THE **RACE** BETWEEN TECHNOLOGY & EDUCATION

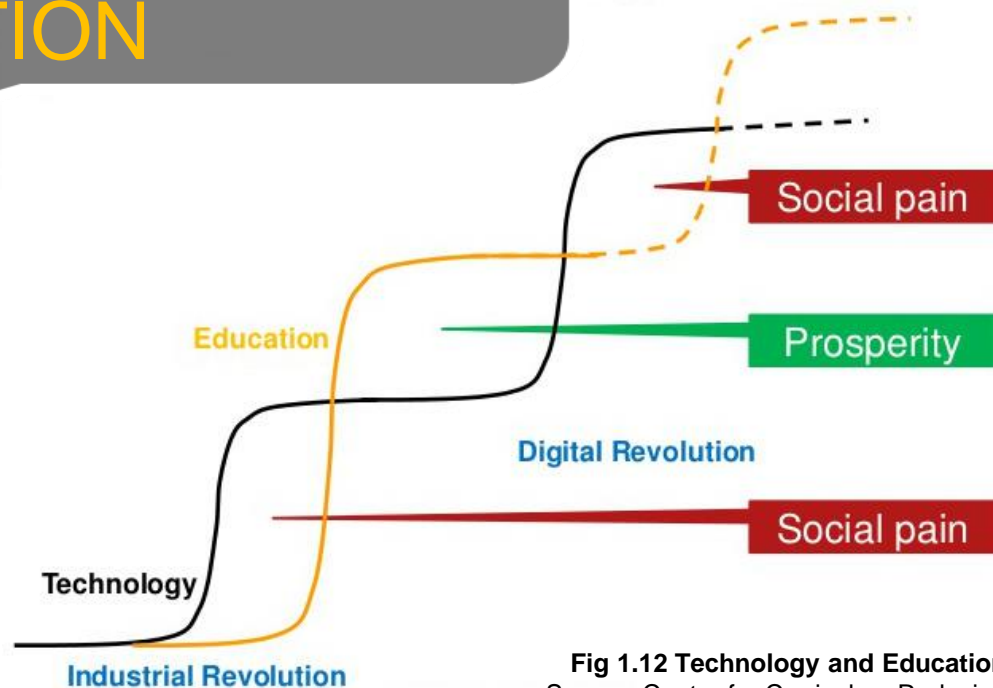


Fig 1.12 Technology and Education
Source: Center for Curriculum Redesign

THE **FUTURE STATE**





Micro-credentials pilot

Strategy Innovation

QUALIFICATIONS FOR THE **FUTURE WORLD**

Technology
enabled

MOOC

coursera

edX



iversity

NovoED

UDACITY



Future
Learn

What's changing?

- Anywhere, anytime
- Personalised learning
- Bring your own device
- Interpreting data
- Exams will change completely

‘The way we do school is already changing.

I hope one day exams will be done on computers, not with pencil and paper’.

Ethan Patrick
11 years old, Witherlea
School, Blenheim



EXTERNAL ASSESSMENT

“We are currently preparing student’s for jobs that don’t yet exist, using technologies that haven’t been invented, in order to solve problems we don’t even know are problems yet,” Richard Riley

LEARNERS **TODAY**



“We cannot always build the future for our youth, but we can build our youth for the future,” Franklin D. Roosevelt

