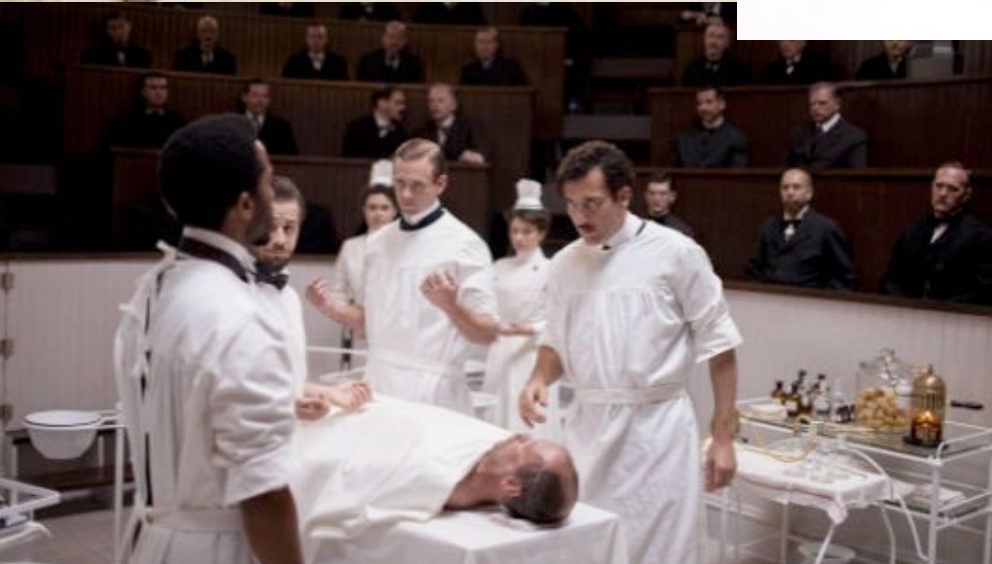




New Delivery Modes, Qualifications, & Pathways

Astana, 13 October 2023







Robot Doctors Replacing Real Doctors

washingtonpost.com



Physician's assistant Jeffrey E. Piacitelli is accompanied on morning rounds by Dr. Louis Kavoussi, who joins him by way of video conference on a robot "doctor" at Johns Hopkins Hospital in Baltimore.

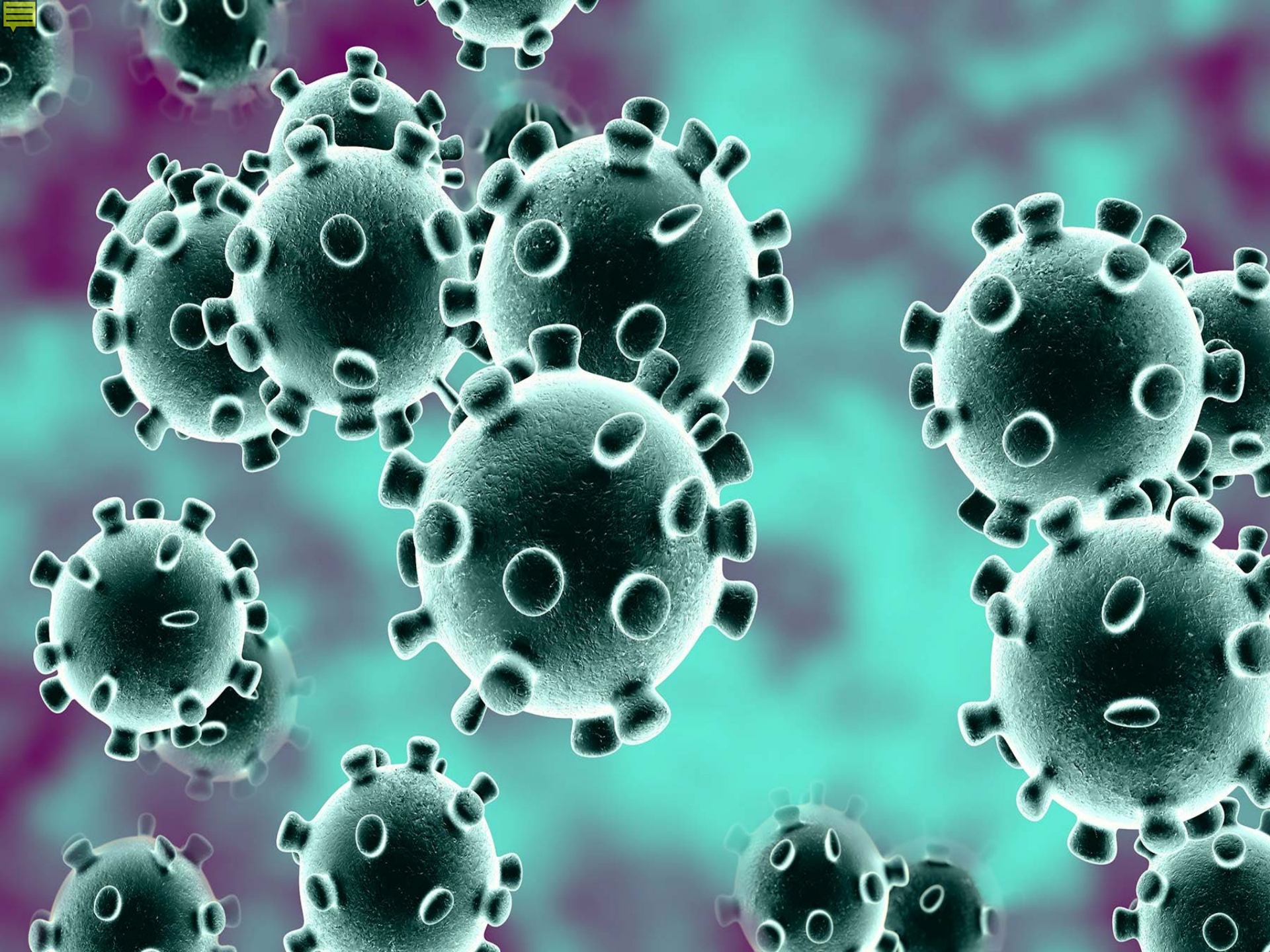


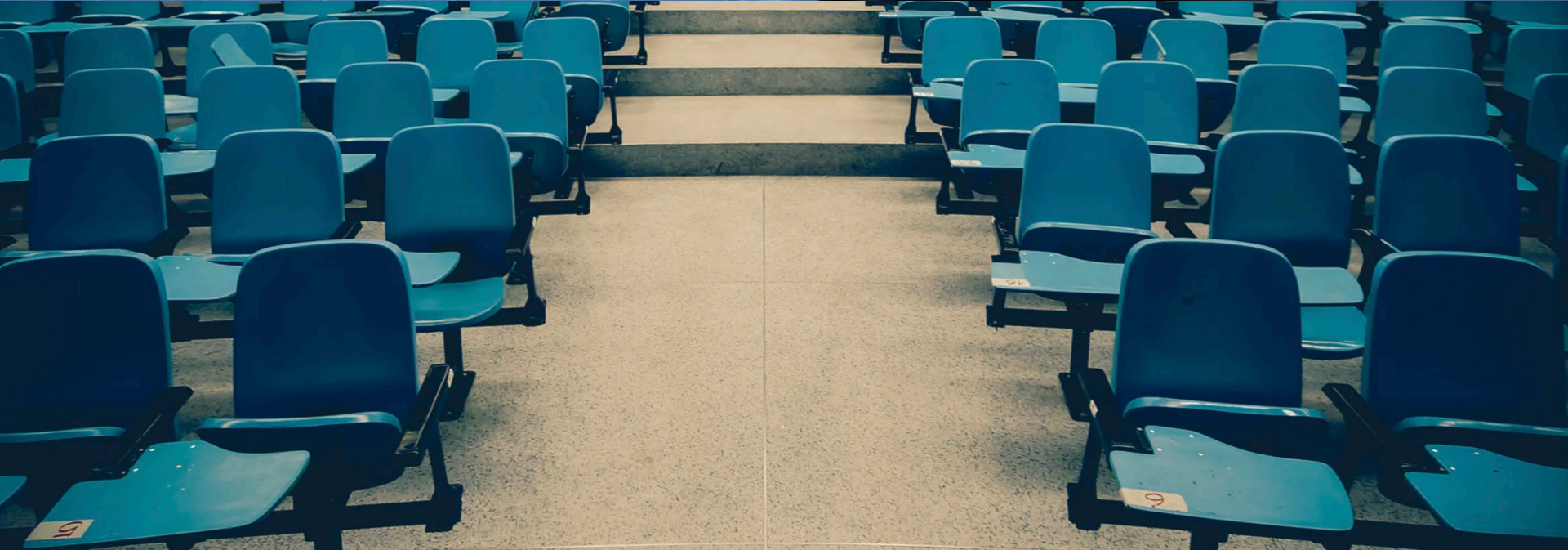












Outline

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Global Tertiary Education Expert



designed by  freepik.com

- Educational Innovations
- New Qualifications & Pathways



DIGITAL *SKEPTICS*

Hostility towards online education

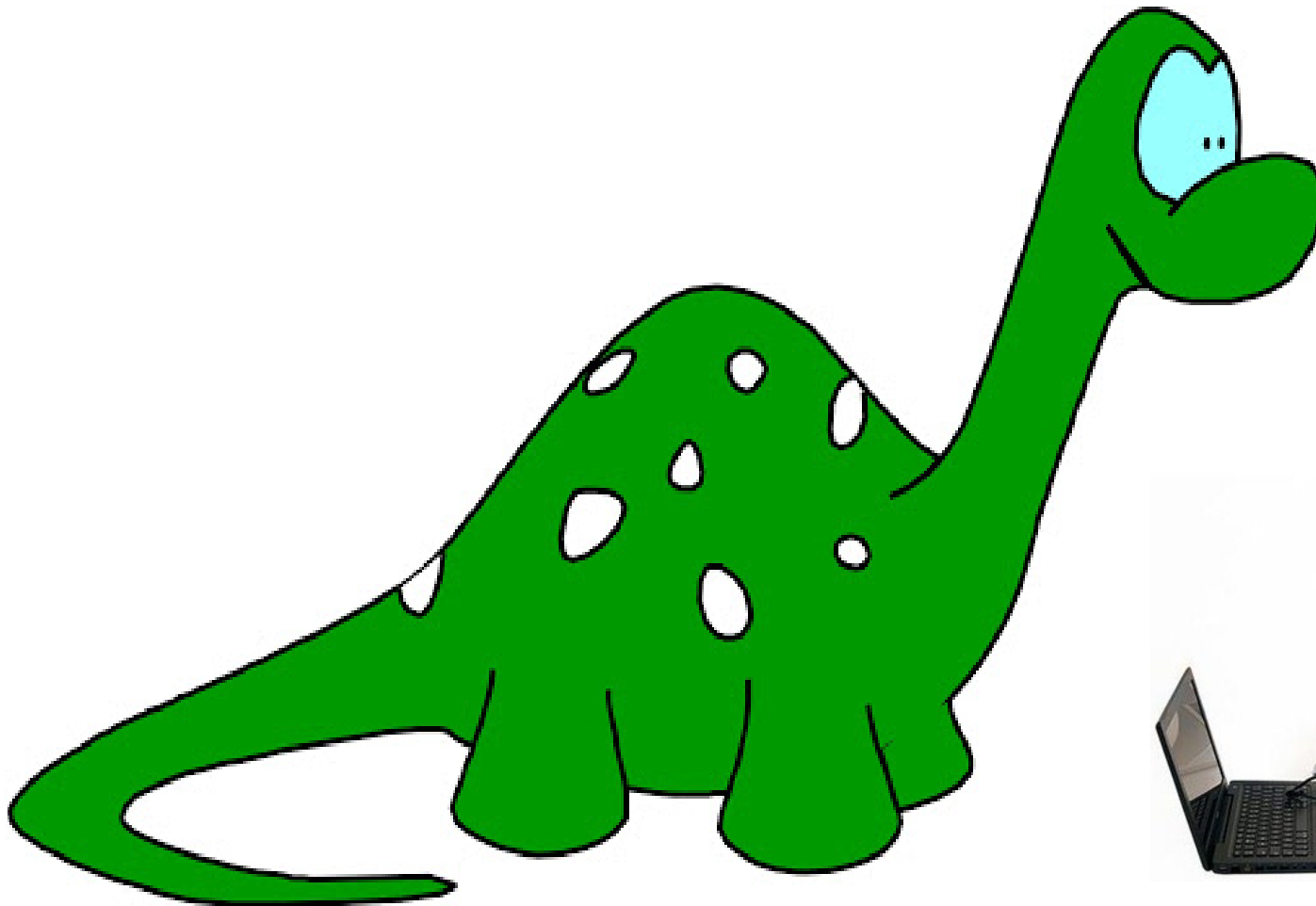
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- South Africa
- Peru
- QA for online education

Digital dinosaurs

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Learning is not a spectator sport

JAMIL SAMI
Global Technology Education Report



Towards a new educational model

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- Innovative curricular and pedagogical practices that put the student at the center of the educational experience
 - Experiential
 - Active and interactive

Student-centered teaching and learning

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- Sparking Curiosity
- Igniting Passion
- Unleashing Genius





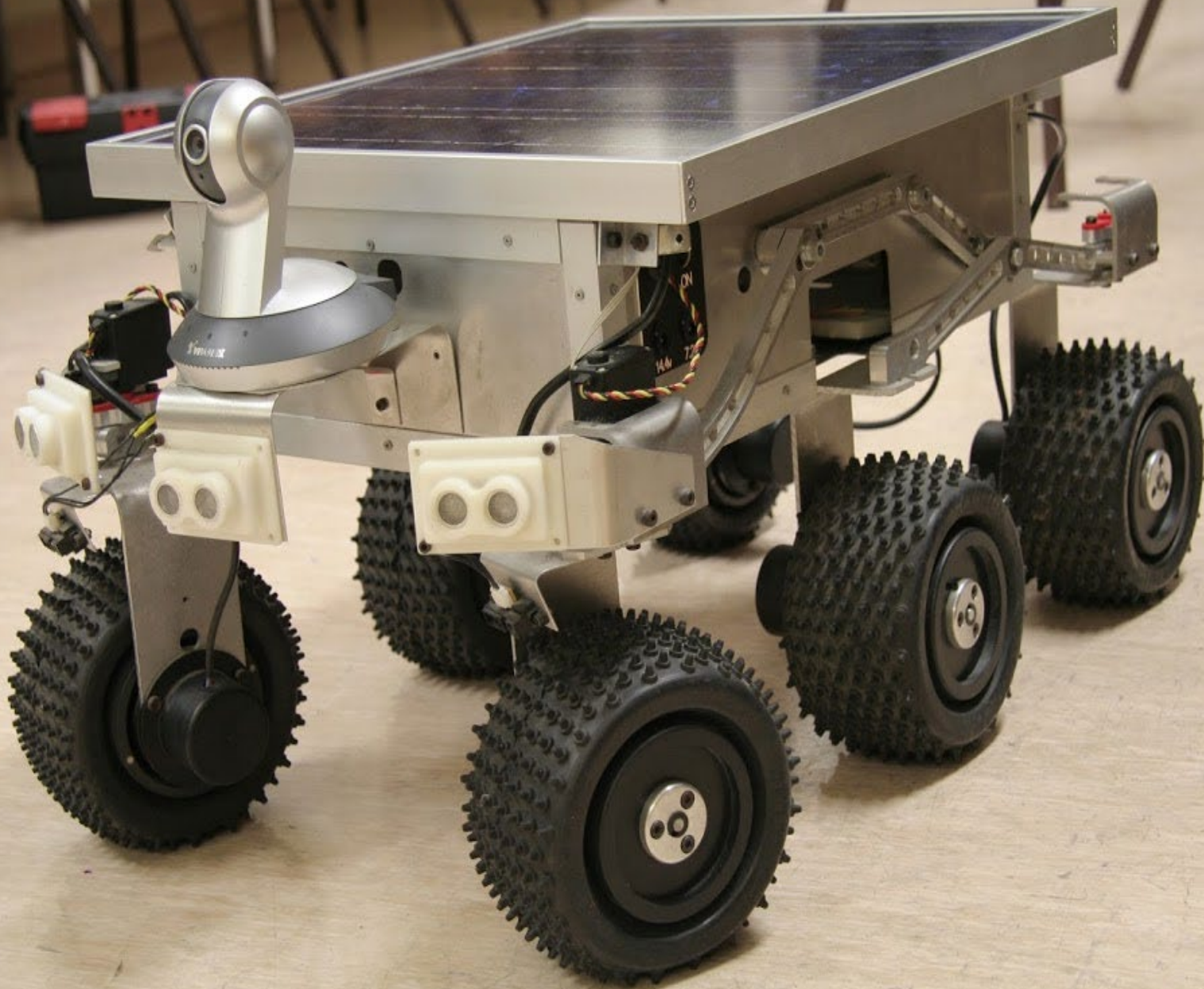
Technology can help

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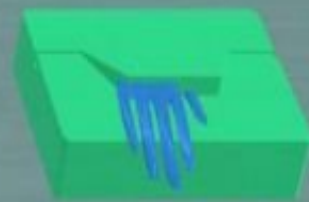
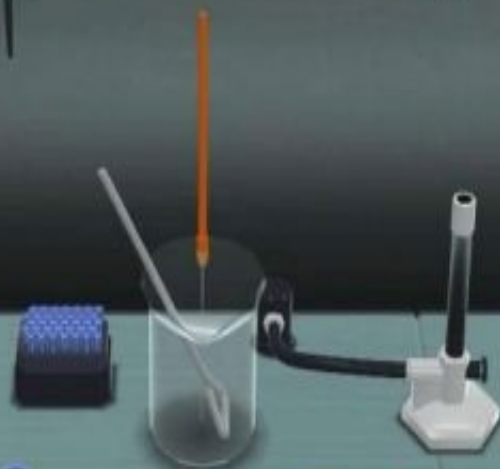






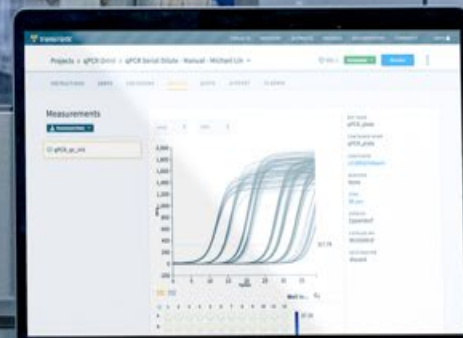


BACK



DAY 1 08:42 AM PROGRESS: 29%

Incubate the tube for 1 hour at 37°C.





Towards a new educational model

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- Innovative curricular and pedagogical practices that put the student at the center of the educational experience
- **Aligned Assessment**









Golden Triangle

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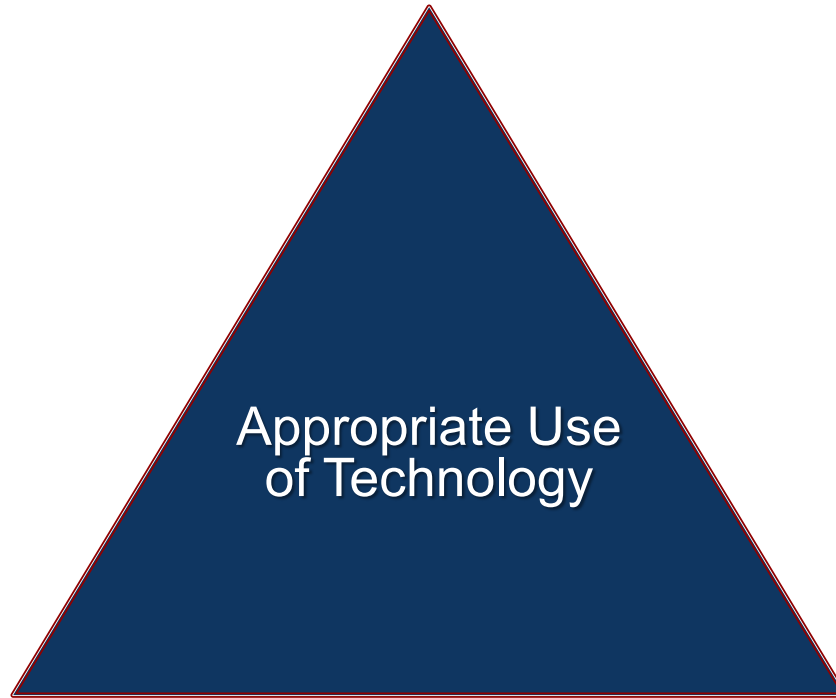


Assessment

**Appropriate Use
of Technology**

Curriculum

Pedagogy



Aligned assessment

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- Focus on acquisition of competencies
 - Cognitive and technical skills
 - Complex competencies
 - Socio-emotional competencies
- Continuous formative evaluation

Outline

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- Educational Innovations
- **New Qualifications & Pathways**

How flexible are you?

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- Age?



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How flexible are you?

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- Age?
- Prior qualifications?



How flexible are you?

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- Age?
- Prior qualifications?
- Mutual recognition of credits?
- Recognition of skills acquired on-the-job?

Meet my son Karim...

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How flexible are you?

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- Age?
- Prior qualifications?
- Mutual recognition of credits?
- Recognition of skills acquired on-the-job?
- Transfer from technical institute to university?



Towards a new educational model

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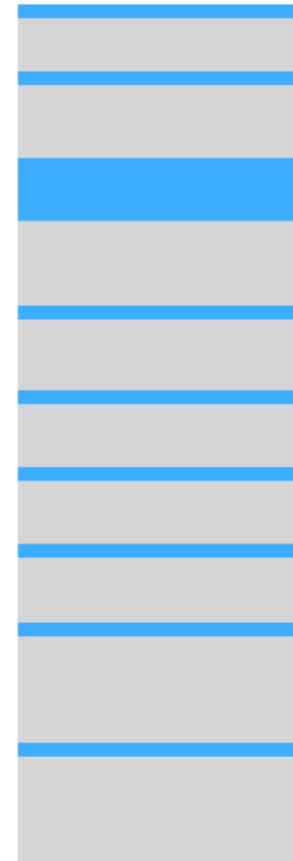
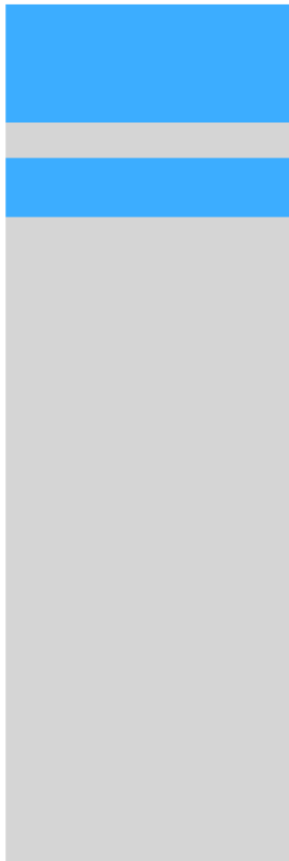


- Innovative curricular and pedagogical practices that put the student at the center of the educational experience
- Aligned Assessment
- **Flexibility to adopt variety of modalities, alternative paths, and multiple forms of qualifications**



Lifelong and longlife learning

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A few examples

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- Western Governors University
 - First virtual university (1997)
 - Competency-based
 - For adult learners working at their own rhythm regardless of location or time constraints
 - 140,000 students & 300,000 graduates
- Open Loop program at Stanford University
- Cooperative model of Waterloo University



Disruptive institutions

- Moocs
- Boot camps
- Minerva (elite U combining face-to-face and online)
- École 42 (computer science without professors, no degrees, and no entry requirement)
- Kaospilot <http://www.kaospilot.dk/> / Hyperisland <https://www.hyperisland.com/>
- Arizona State University
- Southern New Hampshire University
- Olin College of Engineering



New types of qualifications

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- Traditional degrees (Bs, Ms, PhD)
- Combination of courses from several institutions towards a single degree (beyond joint degrees)
- Microcredentials and nano courses (certificates and badges)
- Mini masters
- New ways of combining learning and qualifications (stackable degrees)

Microcredentials

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- Very short programs
- Focus on the acquisition of a specific competency (technical or socio-emotional)
- Face-to-face or digital or hybrid
- Financing options: pay-as-you go, subscription-based
- Incorporated in QA standards (Australia, Malaysia, New Zealand)

Aspiring Minds

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- Indian firm designing and administering employment readiness tests (AMCA) using IA
- 3,000 universities and firms use AMCAT
- 2 million people tested
- Now active in Bangladesh, China, Malaysia, the Philippines, the Middle East, and the USA
- eLitmus and CoCubes

System Articulation & Coordination

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- Transition from secondary to tertiary education
- Flexible pathways among different types of tertiary education institutions (credit transfer agreements)
- Qualifications Framework
- Recognition of competencies acquired on-the-job and/or through self-learning, and under hybrid modalities

Example 1: Korea Credit Bank

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- Managed by Ministry of Education
- Open educational system
- Recognition of learning acquired in all settings (in-school and out-of-school)
- Degree granting
- Fully recognized degrees

Example 2: Massachusetts (USA)

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- Massachusetts College Transfer Guarantee for private colleges and universities (21 participating institutions)
- Allows for seamless transition of students between public community colleges and state universities



Institutional level

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- Open and flexible mindset
- Recognition of prior learning
- Individualized learning pathways



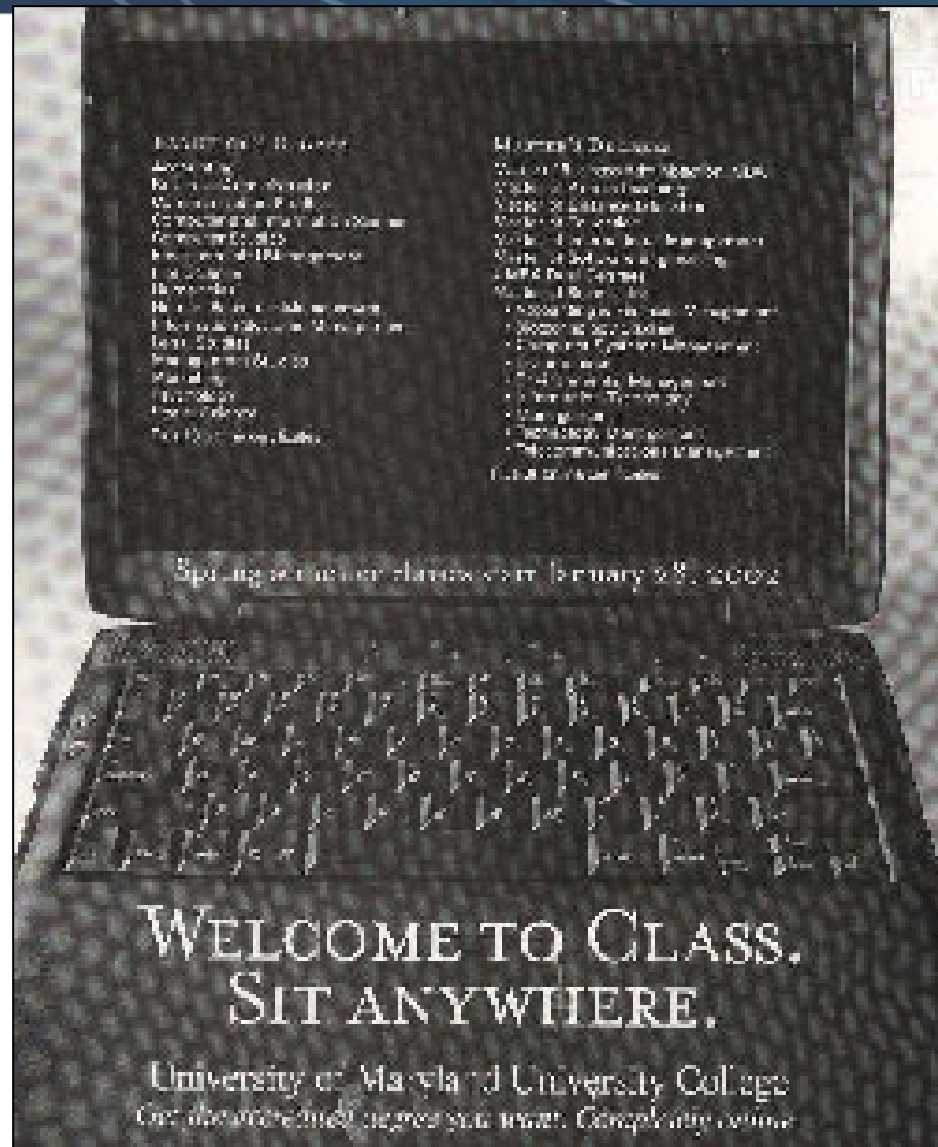
E-portfolio & digital credentials

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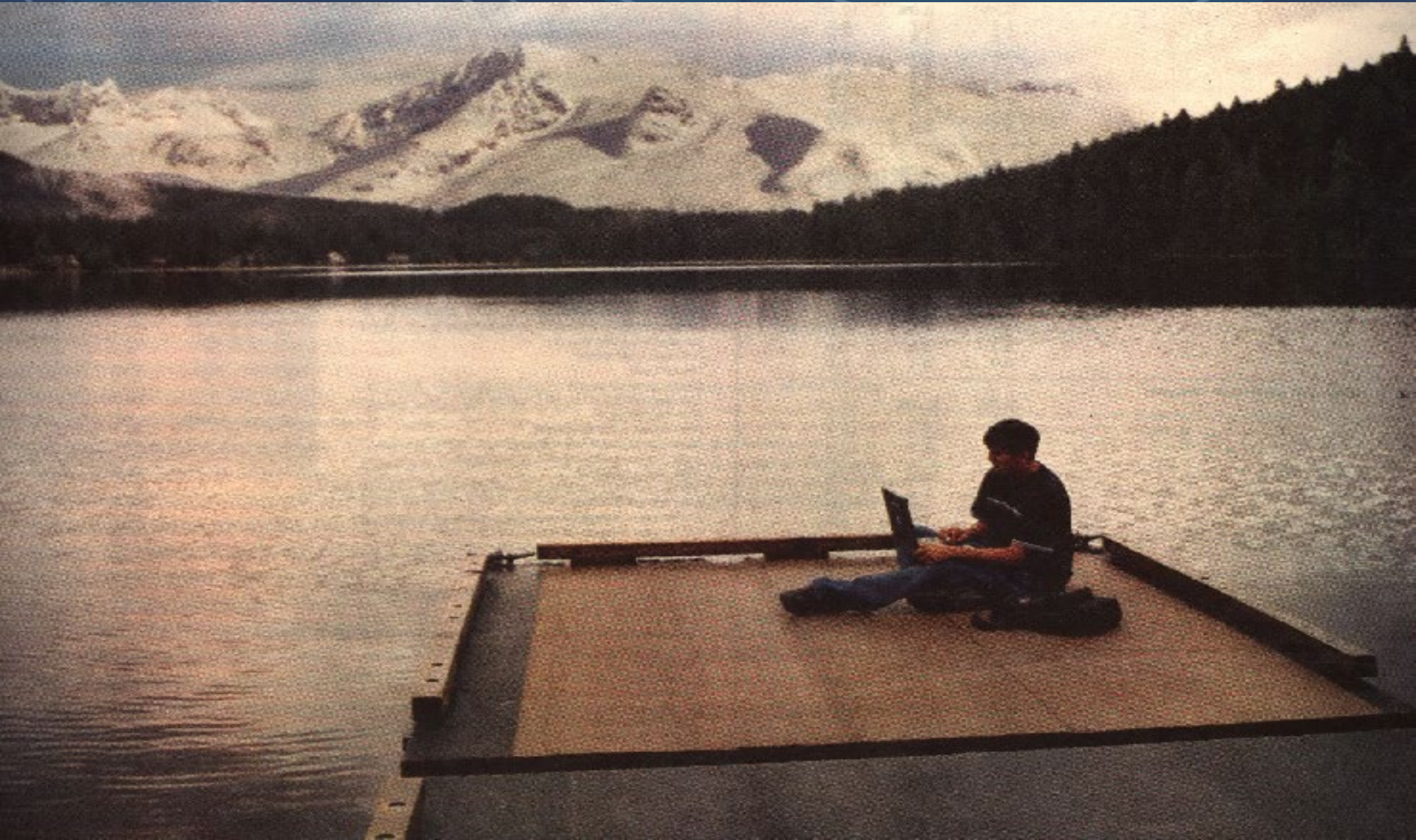
Whenever you want ...

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Wherever you want ...

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Today

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Postgraduate
studies

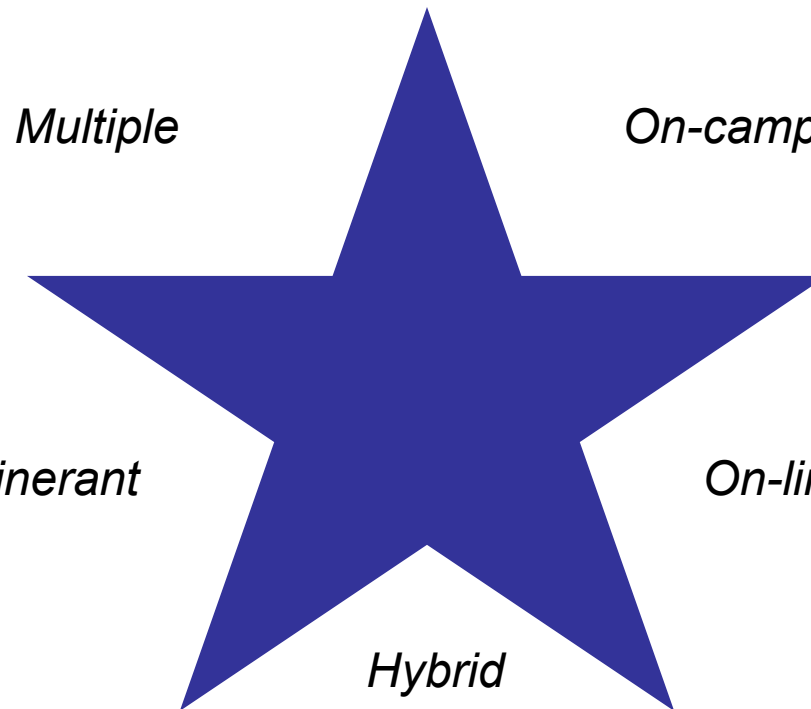
First degree

University of the future?

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Undergraduate Studies



Multiple

On-campus

Citizenship & Life Skills

Graduate Studies

Itinerant

On-line

Hybrid

Career Change Studies

Continuing Professional Development



conclusion



A dramatic photograph of a massive tsunami wave crashing over a beach. The wave is a deep teal color with a thick, white, billowing crest that fills the upper half of the frame. In the foreground, a person stands on the white sand beach with their arms raised in a gesture of awe or warning. The ocean is turbulent, with white foam from the breaking waves visible near the shore.

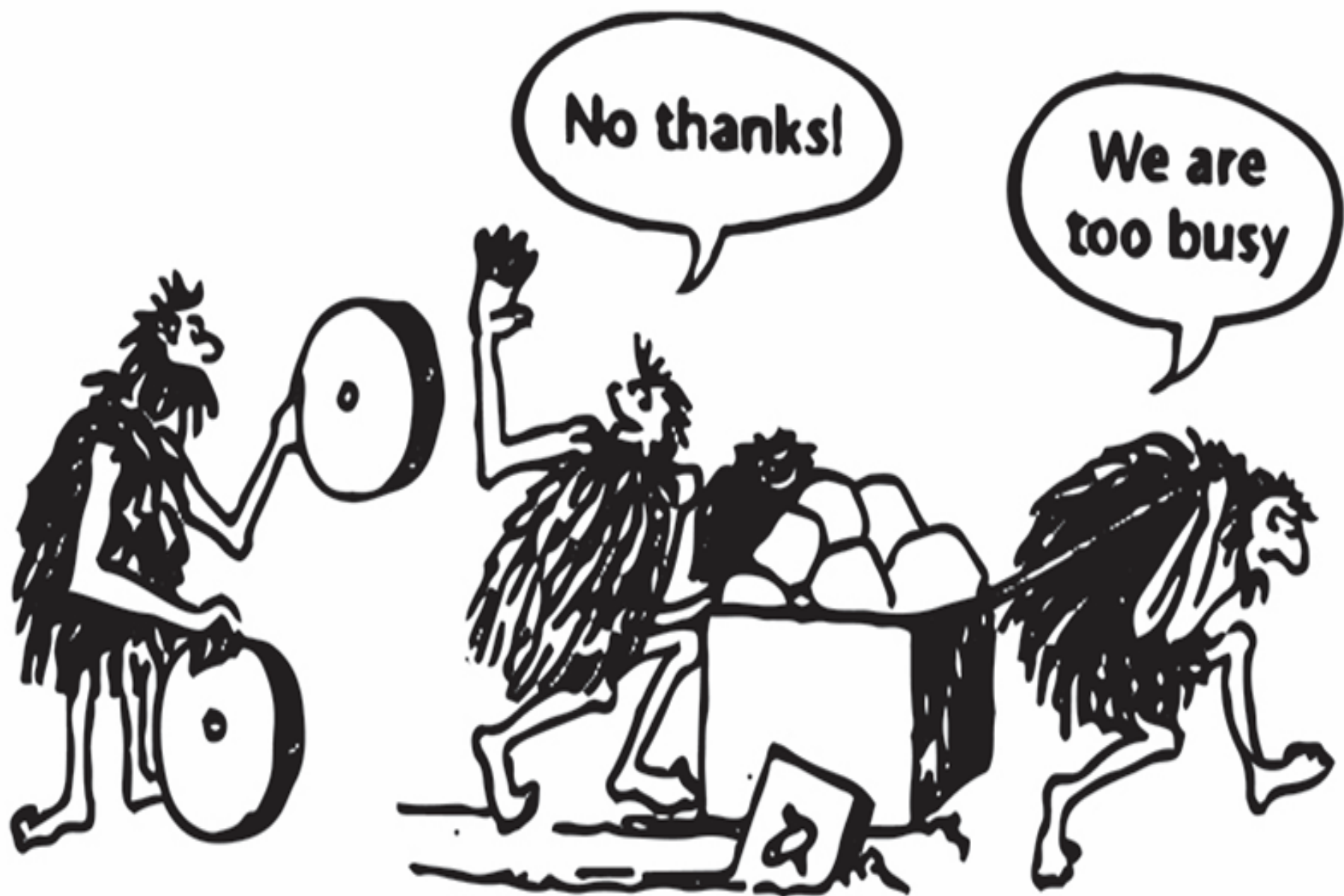
*A tsunami is coming:
Universities in the digital era*



The Future

NEXT EXIT





Provost and Executive Vice President for Academic Affairs, Georgia Technology Institute

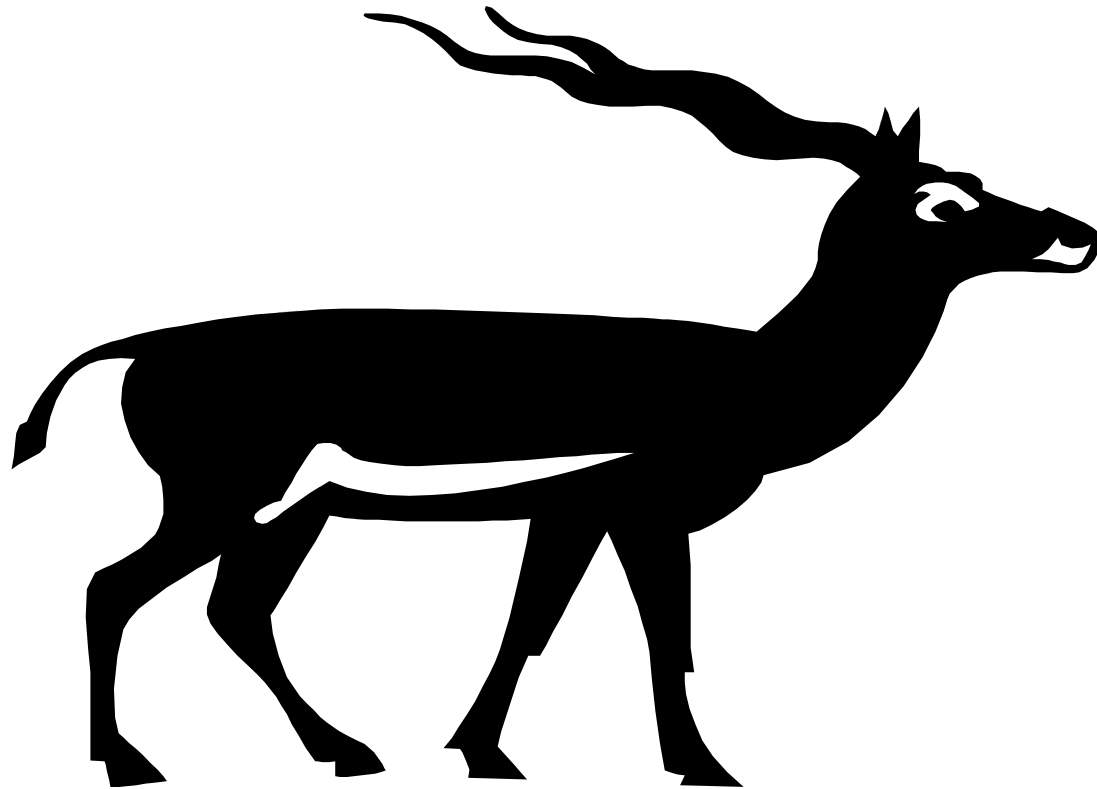
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In 40 years in academia, I have never experienced a faster pace of change. I am convinced that the future belongs to those institutions that are nimble enough to stay in front of the wave of change and, more importantly, help define what will be next in education.

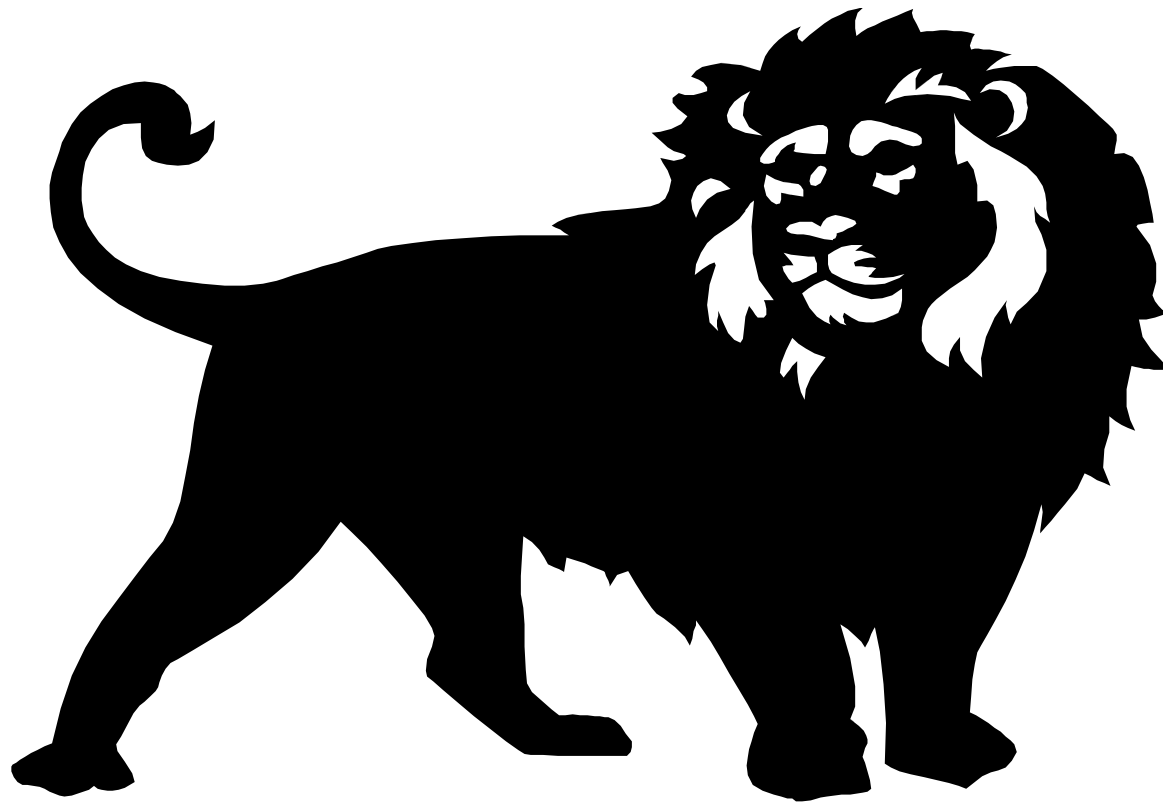
Competing in the learning society

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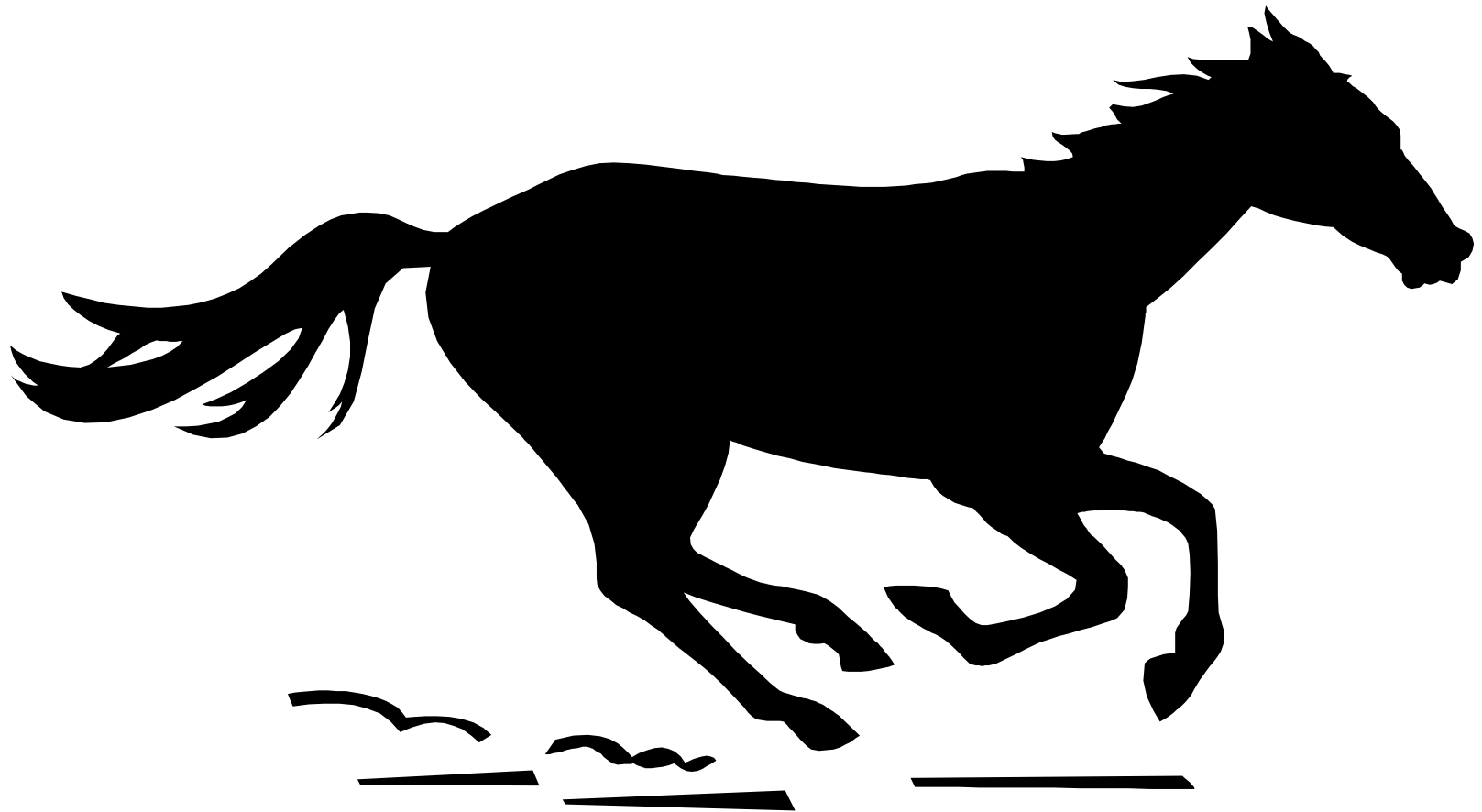
Competing in the learning society

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Competing in the learning society

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What is your vision?

WHAT'S NEXT?