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inspiring achievement

What is on the Horizon for **Nursing education?** Are we ready for the possibilities?

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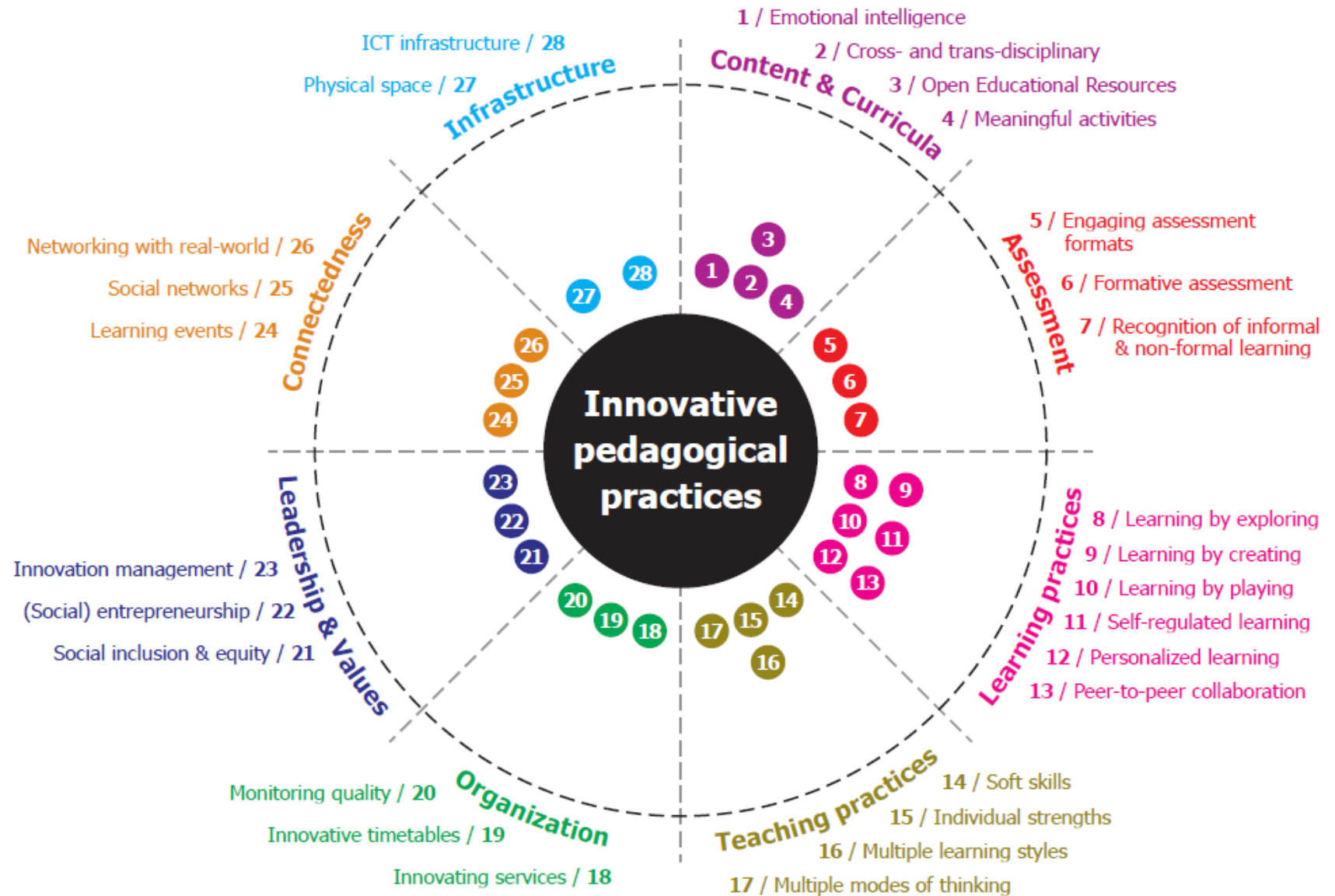
What is the Horizon report?

- Annually the New Media Consortium (NMC) assembles international experts
- 6 key trends
- 6 significant challenges
- 6 important developments in educational technology

What is on the Horizon for Nursing education?

- How could these 18 topics impact on nursing education?
- What is currently available for nursing education?
- What is the most effective way to network and use these resources?

Elements of the Creative Classroom Research Model



Fast Trends:

Driving changes in higher education over the next one to two years

- Growing Ubiquity of Social Media
- Integration of Online, Hybrid, and Collaborative Learning

Examples of Third party resources

Intraprofessional

- Partnering to heal is a video-simulation training program on infection control practices for clinicians, health professional students, and patient advocates.

<http://www.health.gov/hai/training.asp> 24/4/14

- “Know the Plan, Share the Plan, Review the Risk” ISBAR

<http://www.sahealth.sa.gov.au/wps/wcm/connect/public+content/sa+health+internet/clinical+resources/safety+and+quality/clinical+handover/clinical+handover+tool+know+the+plan+share+the+plan+review+the+risk> 25/4/14



A Physician, Nathan Green, Director of a Hospital Post-op Unit, ready to start new prevention efforts in the unit;



A Registered Nurse, Dena Gray, working to learn effective communications skills that could make the difference for her patients;



An Infection Preventionist, Janice Upshaw, a new employee charged with using a team-based approach to reducing infections;



A Patient Family Member, Kelly McTavish, whose father was just admitted to the hospital;



A third-year Medical Student, Manuel Hernandez, who wants to gain confidence to make a difference for his patients.

Examples of Third party resources

- Centre for Excellence for the design, development and use of learning objects - RLO-CETL

<http://www.rlo-cetl.ac.uk/whatwedo/rlos/completedrlos.php#clinical> 25/4/14

- Health E-Learning and Media (HELM) Team

<http://www.nottingham.ac.uk/helm/home.aspx> 25/4/14

Examples of Third party resources

- University of Wisconsin-Milwaukee (UWM)
Learning Objects Repository
<http://www4.uwm.edu/learningobjects/> 25/4/14
- Khan Academy is a not-for-profit organisation providing a free world-class education for anyone anywhere.
<https://www.khanacademy.org/science/health-and-medicine> 25/4/14

Mid-Range Trends:

Driving changes in higher education within three to five years

- Rise of Data-Driven Learning and Assessment
 - Learning analytics
- One example
 - <http://www.pearsonmylabandmastering.com/northamerica/masteringaandp/educators/features/index.html> 25/4/14

Mid-Range Trends:

Driving changes in higher education within three to five years

- Shift from Students as Consumers to Students as Creators
 - You tube videos, Marker spaces, Pintrest
 - What could nursing assessment look like?

Ref. 26.



Ref. 9.



Ref. 19.



Long-Range Trends:

Driving changes in higher education in five or more years

- Agile Approaches to Change
- Evolution of Online Learning
 - Part of engaging students in deep learning across online environments is personalising the experience
 - VoiceThread, Sound Cloud, iMovie,

Solvable Challenges

Those that we understand and know how to solve

Ref. 7.

- Low Digital Fluency of Faculty
 - Infrastructure required
 - Attitude shift
- Relative Lack of Rewards for Teaching
 - Research valued over teaching
 - Casual teachers have greater impact on students than fulltime academics.



Difficult Challenges:

Those we understand but for which solutions are elusive

- Competition from New Models of Education
 - MOOCS (Massive open online courses)
 - MIT & Harvard – edX
 - Stanford - Coursera
- Scaling Teaching Innovations
 - Students pay for the discrete component of a degree rather than the degree itself.

Tough Challenges:

Those that are complex to
Even define, much less address



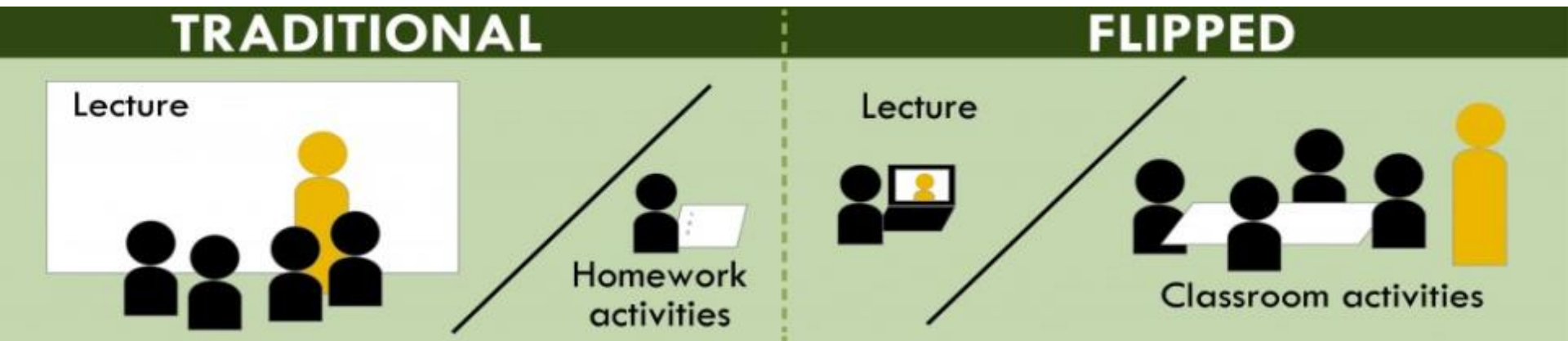
Ref 3.

- Expanding Access
 - Online learning is seen as a key to increasing access to higher education
- Keeping Education Relevant
 - E-portfolios students can demonstrate competency to teachers and employers

Time-to-Adoption Horizon: One Year or Less

- Flipped Classroom
 - First year A&P class 2 hour lab class Face to face
 - Consult , Critique, Confirm, Correct
- Learning Analytics
 - First year A&P class weekly online quiz ELMS
 - Now with adaptive learning for an extra 5 marks

Ref 10.



Time-to-Adoption Horizon: Two to Three Years

- 3D Printing
 - <http://www.3dprinter.net/10-ways-3d-printing-is-changing-the-medical-world>

Ref 1.



Time-to-Adoption Horizon: Two to Three Years

- Games and Gamification
 - First year A&P to improve preparation for class
 - Badges are awarded by completing tasks such as pre-reading
 - <https://wiki.mozilla.org/Badges>

Ref 12.



Time-to-Adoption Horizon: Two to Three Years

- Gamification MOOC from Coursera taught by Kevin Werbach University of Pennsylvania
<https://www.coursera.org/course/gamification> accessed 25/4/14



Ref 4.

Time-to-Adoption Horizon: Four to Five Years

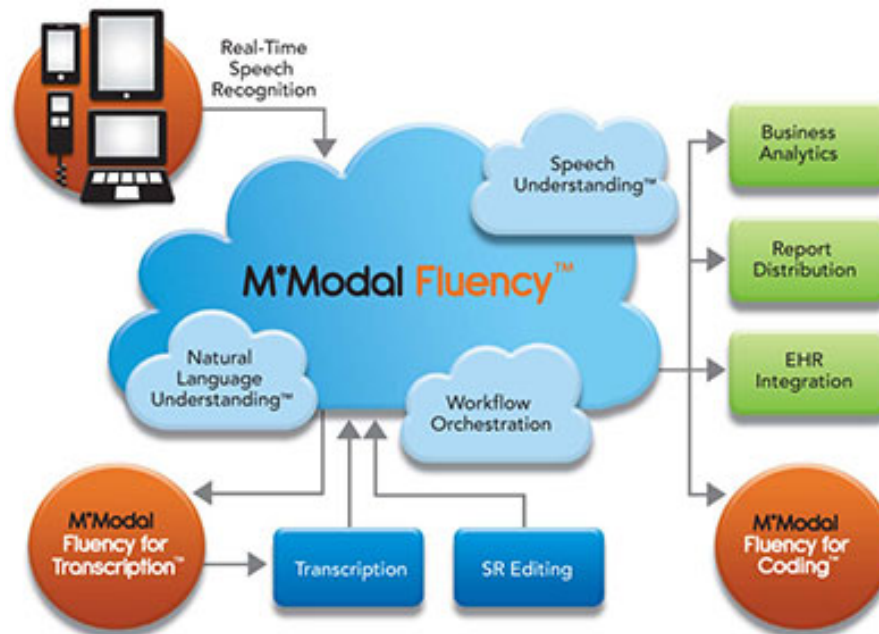
- Quantified Self
 - Scanadu scout
 - <https://www.youtube.com/watch?v=rKCeoiRhVul>



Time-to-Adoption Horizon: Four to Five Years

- Virtual Assistants

- <http://mmodal.com/press-releases/university-of-virginia-health-system-selects-mmodals-speech-understanding/>



Ref 24.

Summary remarks

- How could these 18 topics impact on nursing education?
- What is currently available for nursing education?
- What is the most effective way to network and use these resources?
- Australasian Repository for Online Nursing & Midwifery Education Resources ARONMER?

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Thank you
Any Questions?



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