TOPIC 1 – DIGITAL TECHNOLOGY IN HIGHER EDUCATION

INTRODUCTION

- TOPIC PRESENTATION VIDEO - https://www.youtube.com/watch?v=3qQb69fnTWw

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PPT Video

How technology can help build environments that favour teaching and learning
Topic I – **digital technology in higher education**
This session will allows us to think about and to get to know some of the arguments we have seen surrounding major educational issues on the use of digital technology.

Questions
- **How does technology impact learning?**
    - How do students learn?
    - Where and when do students learn?
- **Is there any evidence of enhanced learning by using technology?**
    - What evidence is there?
- **What should online learning environment look like?**
- **What are the inherent challenges for mixed learning (b-learning)**
- **What challenges do teachers face?**
    - How are the roles expected to change?
    - How does technology influence teachers' practices?
- **What obstacles/barriers are there on the use of technology in the context of teaching and learning?**

Activities
Individual work
- **Reading and reflecting** on the Works set for each work group. (the works will depend on how work is organized and on each group's strategy).
- *Participating in the forum*
  Each participant will take part in the discussion forum and debate the topics proposed by other colleagues and/or introducing one or more topics for debate.
Group work
- **Final product** – Create a presentation on PowerPoint (or on another platform) on the most important issues the group detected when reading the articles. This presentation should be no longer than 5 or 6 slides.
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SYNCHRONOUS SESSION
- Each Work Group (WG) makes their presentation
- Each WG will present the result of their discussion on the activities of individual work.

- After each presentation there will be a debate (5 min).

RESOURCES

GRUPO A
- Bond, M., Marín, V. I., Dolch, C., Bedenlier, S., & Zawacki-Richter, O. (2018). Digital transformation in German higher education: student and teacher perceptions and usage of digital media. International Journal of Educational Technology in Higher Education, 15(1), 48. https://doi.org/10.1186/s41239-018-0130-1
- Evans, J. C., Yip, H., Chan, K., Armatas, C., & Tse, A. (2020). Blended learning in higher education: professional development in a Hong Kong university. Higher Education Research and Development. https://doi.org/10.1080/07294360.2019.1685943

GRUPO B
- Englund, C., Olofsson, A. D., & Price, L. (2017). *Teaching with technology in higher education: understanding conceptual change and development in practice*. Higher Education Research & Development, 36(1), 73-87. doi:10.1080/07294360.2016.1171300
- Casanova, D., Moreira, A., & Costa, N. (2011). *Technology Enhanced Learning in Higher Education: results from the design of a quality evaluation framework*. Procedia - Social and Behavioral Sciences, 29, 893-902. https://www.sciencedirect.com/science/article/pii/S1877042811027807

GRUPO C
- Lai, K.-W. (2011). Digital technology and the culture of teaching and learning in higher education. *Australasian Journal of Educational Technology*, 27(8), 1263-1275. doi:https://doi.org/10.14742/ajet.892
- Boelens, R., Wever, B. D., & Voet, M. (2017). Four key challenges to the design of blended learning: A systematic literature review. *Educational Research Review*, 22, 1-18. https://www.researchgate.net/publication/317525957_Four_key_challenges_to_the_design_of_blended_learning_A_systematic_literature_review

GRUPO D
- Mercader, C., & Gairín, a. J. (2020). University teachers' perception of barriers to the use of digital technologies: the importance of the academic discipline. International Journal of *Educational Technology in Higher Education*, 17(4). https://educationaltechnologyjournal.springeropen.com/articles/10.1186/s41239-020-0182-x

- Oliver, R. (s.d.). The role of ICT in higher education for the 21st century: ICT as a change agent for education. Edith Cowan University, Perth, Western Australia. https://www.researchgate.net/publication/228920282_The_role_of_ICT_in_higher_education_for_the_21st_century_ICT_as_a_change_agent_for_education

GRUPO E

- Price, L., & Kirkwood, A. (2014). Using technology for teaching and learning in higher education: a critical review of the role of evidence in informing practice. *Higher Education Research & Development*, 33(3), 549-564. doi:10.1080/07294360.2013.841643
- Sharkova, N. (2014). Learning supported by technology in higher education: From experience to practice. *Education Inquiry*, 5(3). doi:10.3402/edui.v5.24610

Additional resources: "Skills Needed in a Digital Age" based on a chapter of "Teaching in a Digital Age" by Tony Bates available in https://www.tonybates.ca/teaching-in-a-digital-age/

DISCUSSION FORUM

After watching the video, reading the suggested articles and considering each one's experience with digital technology, surely you'll have ideas, doubts, questions on the role of technology in the higher education institutions that you'll be able to share with other participants in an informal chat in the forum.