

MethodsCon: Futures

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Reframing the use of future in the educational contexts with Challenge Based Learning approach

Session convener: Francesca Odella, University of Trento (francesca.odella@unitn.it)

REFERENCES

Below are some web resources (links, books and videos) that can help you plan a CBL activity using the Future Literacy approach and some examples of applications of the CBL approach in technology oriented issues (biotechnologies) and cultural and social issues carried on at Trento University as member of the European Consortium of Innovative Universities (ECIU).

Future Literacy and Social Foresight

- UNESCO Futures Literacy: <https://www.unesco.org/en/futures-literacy>
- OECD, Strategic Foresight: <https://www.oecd.org/en/about/programmes/strategic-foresight.html>
- Futures4Europe: <https://www.futures4europe.eu/>
- WHO Foresight:
<https://www.who.int/activities/who-foresight---monitoring-emerging-technologies-and-building-futures-thinking>
- European Commission, Foresight, Research and Innovation:
https://research-and-innovation.ec.europa.eu/strategy/support-policy-making/shaping-eu-research-and-innovation-policy/foresight_en
- IFTF Foresight Talks, A Webinar Series:
https://www.youtube.com/watch?si=Oc3oZ_cJ11xgKOv&v=RT_o8zAW8XY&feature=youtu.be

Challenge Based Learning (CBL)

- Institute for the Future of Education, Tecnológico de Monterrey:
<https://observatory.tec.mx/edu-bits-2/challenge-based-learning-social-leadership/>
- Challenge Based Learning: <https://www.challengebasedlearning.org/about/>
- Challenge Based Learning. A comprehensive Survey of the Literature, The Challenge Institute, 2023.
https://www.challengeinstitute.org/CBL_Literature_Survey.pdf

- Johan Malmqvist, Kamilla Kohn Rådberg, Ulrika Lundqvist, *Comparative Analysis of Challenge Based Learning Experiences*, Chalmers University of Technology, Sweden.

https://publications.lib.chalmers.se/records/fulltext/218615/local_218615.pdf

- Challenge Based Learning. A classroom guide. Apple, 2010

https://www.apple.com/br/education/docs/CBL_Classroom_Guide_Jan_2011.pdf

Web Resources and Books for Educational Projects in Future Literacy

- UNESCO Transforming the Future: <https://unesdoc.unesco.org/ark:/48223/pf0000264644>

- UNESCO Futures Literacy Playbook: <https://unesdoc.unesco.org/ark:/48223/pf0000385485>

- UNDP Foresight Manual:

https://www.undp.org/sites/g/files/zskgke326/files/publications/UNDP_ForesightManual_2018.pdf

- UN Futures Lab: UN Strategic Foresight Guide:

<https://un-futureslab.org/media/uploads/2024/03/UN-Futures-Lab-2023-UN-Strategic-Foresight-Guide.pdf>

- UN Global Pulse Strategic Foresight Project: <https://foresight.unglobalpulse.net/>

- UN Global Pulse: Futures Tools for Intergenerational Equity:

<https://foresight.unglobalpulse.net/intergenerational-equity/>

University of Trento and ECIU projects in Future Literacy

Examples of CBL activities (in general) ECIU Universities:

<https://engage.eciu.eu/browse?learningOppTypes=623140000>

Future Literacy at Trento University

<https://www.unitn.it/en/ateneo/88404/second-level-masters-course-in-social-foresight>

Examples of CBL in STEM and with industry research collaborations

<https://event.unitn.it/ipsp2024/en/>

<https://www.trentinoinnovation.eu/en/innovation-challenges-and-contests-supporting-higher-education-and-research-industry-open-innovation/>

<https://www.soi.unitn.it/courses/back-to-the-future/>

Examples of CBL activities in Social and Political Sciences

<https://www.soi.unitn.it/courses/hitchhikers-guides/>

<https://www.soi.unitn.it/courses/engaging-with-the-future/>