

Complex problem solving

Teaching learning activities

1. Future Lab exercise The intervention helps students to understand the concept of *the future* better, which allows them to make conscious decisions by anticipating challenges and recognizing possibilities.

This training is administered in three phases and includes an additional pre and post measurement to see the progress. In the first phase students learn that change is the norm by talking to family members about the future they expected when they were young. Additionally they engage in activities discussing previous predictions. In the second phase, they create a long time-line to set personal goals and alternatives to those goals in case they might not work out. In the last phase, students return to the present and answer a range of questions concerning topics of choice such as housing, family, activities.

For more information: Poli, R (2019). The Ability to Aspire. *Working With The Future* (1st ed, pp.109-122) EGEA

2. Tackling ethical global issues

Teaching for sustainable development through ethical global issues pedagogy: A resource for secondary teachers Developed by: Dr. Karen Pashby (Manchester Metropolitan University) & Dr. Louise Sund (Örebro University and Mälardalen University)

<https://www.mmu.ac.uk/media/mmuacuk/content/documents/esri/projects/teacher-resource-project/Ethical-Global-Issues-English.pdf>

3. Systems thinking exercises

Sweeney, L. B., & Meadows, D. (2010). *The systems thinking playbook: Exercises to stretch and build learning and systems thinking capabilities*. Chelsea Green Publishing.