The Cultural approach

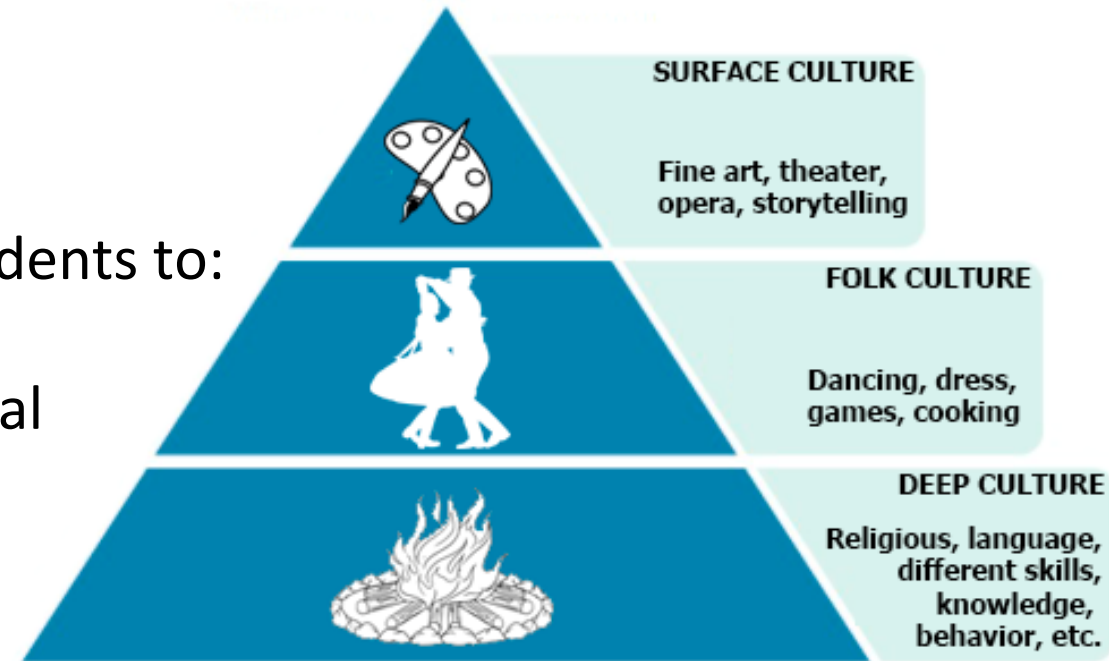Olga Dziabenko,
University of Deusto

International inSTEAM Teachers' Conference "Inclusion in STEAM Class",
25th September 2021, online

Cultural aspects impact

With culturally inclusive content, teacher help students to:

- build a knowledge and understanding of cultural and linguistic diversity

- develop students' understandings about the social nature of the production of knowledge and an appreciation of the values underlying 'objective' knowledge

- explore a range of cultures and beliefs including various cultural contexts, world views and perspectives – including migrant and refugee experiences provide opportunities for investigating one's own and others' cultures, backgrounds and circumstances

- explore how people of similar cultural backgrounds can express culture and scientific knowledge differently.

SURFACE CULTURE

Fine art, theater, opera, storytelling

FOLK CULTURE

Dancing, dress, games, cooking

DEEP CULTURE

Religious, language, different skills, knowledge, behavior, etc.

Cultural approach into inquiry based cycle

Orientation

Students:

- Establish close relation and rationale between the scientific topic and culture topic: A culture topic can be represented by community, societal, and/or family behavior, habits, beliefs, history, and tradition; classic, modern or contemporary art (painting, sculpture, music, etc.); and national legislation and international obligations

- Build interest to other culture through an international collaboration between schools in different countries. The information about the collaboration should be presented to students at the beginning of the activity

- Build social responsibility through local, national, global challenges

Conceptualization

Students:

- Narrow the topic and build a bridge between culture and science: encourage to ask questions on science theory from cultural angle, provide the example of such questions; or visualize the science theory

- Understand the cross-cultural diversity (brainstorm ideas with discussion)

- Understand, accept and recognize the tasks by scientific/unbiased approaches and a common language / terminology

Investigation

Students:

- Implement the experiment connected to the cultural topic
- Collect data using different technique: classic experiment, field trip (museums, theater, venue), interviews, Big Data

Conclusion

Students:

- Present their cultural, human and civil position to the topic

- Demonstrate results in inspiring, visual and creative way

- Identify a cultural "consent" for everybody and establish the related new patterns of behavior

Discussion

Students:

- Share and debate the results with other schools in the community and local media

- Inspire the local community with cultural actions

- Build the connection with other scientific fields and/or cultural groups

It is good to remember…

A culturally inclusive curriculum reflects the cultural, linguistic and religious diversity of society.

Students from all backgrounds and with different skills can enhance a teaching/learning process.

The diverse learning environment allows to integrate wider perspectives when brainstorming, problem solving and developing "new ideas" in classroom.

More for the inSTEAM Cultural approach

https://insteam.deusto.es/intellectual-outputs/inclusive-lessons/cultural-inclusive-lesson/

Thank you!