



CULTURAL IMPACT



ORIENTATION

Establish close relation and rationale between the scientific topic of ILS 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

Reflect to the previous knowledge introducing examples from students' cultural experience and other cultural reference points

Promote 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

Highlight the local, national, global challenges

CONCEPTUALISATION

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

Brainstorm ideas within the topic: organize online or offline discussion to understand the cross-cultural diversity

Develop a students' thought about future experiment or activity: supports general or main approaches and a common language - words are vital to understand, accept and recognize the tasks

INVESTIGATION

Present the science experiment, which is connected to chosen cultural dimensions: having sufficient information available is a critical element of building tangible and objective links between science and culture

Employ different types of activities for a comprehensive data collection: explore with a hands-on, remote or virtual experiment; conduct interview or survey; collect internet available data; process data sets presented by other providers; organize (virtual) field trips, participation in a venue

CONCLUSION

Demonstrate: inspire students to present their cultural, human and civil position to the topic

Formulate: encourage students to introduce their investigation results and outputs in clear and transparent way

Stimulate students to find a cultural "consent" for everybody and establish the related new patterns of behavior

DISCUSSION

Share and debate the results; **understand and accept** the other position

Foster the discussion of **alternative explanations** for the data acquired or to the solution of the problem being explored

Inspire a **relation of global challenges** to **local one**

Encourage to **learn from each other** and to share the best solution and idea to **overcome obstacles**

Discuss the obtained results or the **art presentation with the students from other cultural background**, e.g., from other countries. Communication tool, such as Zoom, Google Meet, can be applied

Discuss the **impact** of their research and how it can be **extrapolated to other situations**

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