OPEN SCHOOLING IMPACT

inSTE⬡M

ORIENTATION

FEEL

Introduce the concrete situations to portrait the reality of community and reference to specific challenges of the area: awake student's curiosity and interest, let them "feel" the topic and desiring to learn more

Create a mystery in turn of the problem or question motivating the students to seek for the answers themselves

Recall previous knowledge and interdisciplinary learning: encourage students' work within the context observing and zooming-in the problems

Include families and local community representatives to link the topic at hand to students' life

CONCEPTUA-LISATION

IMAGINE

Originate and imagine students' possible solutions to solve the problem: brainstorm the ideas, think out of the box solutions, and be imaginative and creative

Collaborate with all involved parties to create a solution: reflect user (local community) requirements, take into consideration the feedback from the local community

Focus imagining process on quantity and quality approach: specific (simple, sensible, significant), relevant (results-based, reasonable, realistic and resourced),measurable (meaningful, motivating), achievable (agreed, attainable), time-bound (time-based, time limited, time/cost limited, timely, time-sensitive)
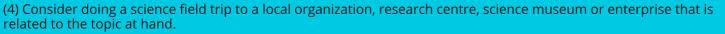
INVESTIGATION

CREATE

Put students ideas into action:

(1) Use the Inquiry Based Science Education approach template

(2) Making an action plan: design the solutions starting with small scientific inquiry or a small experiment to better understand the nature of the problem and the science behind it

(3) Involve local actors and /or local community

CONCLUSION

CREATE - SHARE

(4) Consider doing a science field trip to a local organization, research centre, science museum or enterprise that is related to the topic at hand.

(5) Encourage students to formulate their investigation results in plain and distinct way.

(6) Use inclusion and diversity

DISCUSSION

Disseminate students' work widely so their voices are heard, and so that community understands and accepts their position.

Share students' stories and projects in many ways: involve local community; reflect and assess the work and communication with local community.

SHARE