

Lesson Study on Cross Border Education in Relation to STEM and Energy Efficiency

Tentative Task: POTABLE WATER GENERATOR

Carlos TORRES
ctorresn@pucp.pe

Pontifical Catholic University of Peru (PUCP)

Perú

Contents

Lesson Study on
Cross Border
Education in
Relation to STEM
and Energy
Efficiency

C. Torres

Issue

Lesson study

Lesson objectives

Issue: Sustainable drinking water in some peruvian cities

Lesson study

Lesson objectives

Sustainable drinking water

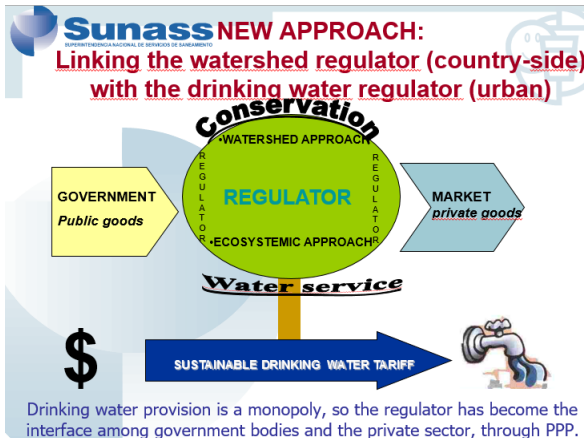
Lesson Study on
Cross Border
Education in
Relation to STEM
and Energy
Efficiency

C. Torres

Issue

Lesson study

Lesson objectives



Sustainable drinking water

Lesson Study on
Cross Border
Education in
Relation to STEM
and Energy
Efficiency

C. Torres

Issue

Lesson study

Lesson objectives



Potable water generator



▶ Let's see a video about our tentative project

Project developed By *Universidad de Ingeniería y Tecnología*
(UTECH)

On Lesson study

Lesson Study on
Cross Border
Education in
Relation to STEM
and Energy
Efficiency

C. Torres

Issue

Lesson study

Lesson objectives

Topic: Energy Efficiency

Duration: 16 hours

Grade level: Senior high school (15-16 years old)

Mathematical content: Statistics, function, geometry, etc.

1. Encourage teachers to promote conscience about the potable water issue in different cities or provinces from Peru.
2. Communicate and exchange ideas with students from different countries, for instance Lima and Huancavelica.
3. Pose some mathematical problems using information about this issue.
4. Solve the most beautiful problems created by students.
5. Elaborate projects for helping poor people.