



Teaching plan

Summary

School names	Apáczai János Secondary School, Budapest (Hungary) Aberdeen Municipal Junior Secondary School, Freetown (Sierra Leone)
Involved class(es) in Country A	9 th and 10 th classes (mixed group)
Involved class(es) in Country B	Mixed group
Project title	Pollution
Period	2 nd semester/trimester (February 2014 - Sept 2014)
Number of lessons (min. 10)	14 + project day
Overall description/educational goal	The project is about clean water and water pollution. We would like to emphasize the importance of clean water and the selection of rubbish. The problems related to environment are global problems – they are interrelated, so we will discover the local as well as the global aspects.
Subjects	In Country A: extra curricular activity In Country B: extra curricular activity
MDG links	MDG7 (ENSURE ENVIRONMENTAL SUSTAINABILITY)
Curricular links	In Country A: Biology, Chemistry, Geography, Physics, Literature, Drama In Country B: extracurricular
Ways of working	Individual and groupwork, field visits (water processing plant, water cleaning plant, river examination)



Process

Introduction	
Topic/lesson	Brainstorming about new methods of communication between Africa and Europe
Aim	Refresh our living relationship with the partnerschool, the country and the students
Timing	2 lessons (Febr)
Materials/links/resources needed	Internet, students's performance, debate
Steps-by-step methodology (concrete tasks, exercises)	<p>Summary of the pre-project with mind-map</p> <p>Planning the recent projects – teacher's presentation</p> <p>Making research plan in group work</p> <p>Adding together the plans with debate method</p>
Offline teaching	
Topic/lesson	Preparing for the visit in the waste water treatment
Aim	The methods of cleaning the waste water
Timing	2 lessons (April)
Materials/links/reources needed	<p>internet (http://www.fcsm.hu/szolgaltatasok/szennyvizisztitas/delpesti_szennyvizisztito_telep/)</p> <p>Chemistry book</p>
Steps-by-step methodology (concrete	Examination on watercleaning methods

tasks, exercises)	<p>Visiting the spot of waste water treatment</p> <p>Making presentations about the methods</p> <p>Giving lectures in Biology and Chemistry lessons</p>
Individual / group work (student „research”)	
Topic/lesson	Water pollution
Aim	Sensitization concerning pollution.
Timing	5 lessons: 2 lessons fieldwork, 3 lessons working in the laboratory
Materials/links/reources needed	Notebooks, cameras, test tubes, test strips, chemical materials
Steps-by-step methodology (concrete tasks, exercises)	<p><u>in Hungary:</u></p> <p>Taking water from Szilas patak in Budapest and analysing chemicals in a professional laboratory in Petrik Lajos Kéttannyelvű Vegyipari Szakközépsíkola</p> <p><u>in Sierra Leone:</u></p> <p>visit to a water processing factory</p>
Sharing results with partner school	
Topic/lesson	Photo exchanges and attempts for Skype conference
Aim	To show our partners the problems in/with Hungarian polluting 'customs', and they also share with us their realities.
Timing	1 lesson (May)
Materials/links/reources	Internet, skype, power point, video

needed	
Steps-by-step methodology (concrete tasks, exercises)	Skype connection (if possible) between the two countries. Also sending experiences about water pollution in the two countries.
Feedback	
Topic/lesson	Global interconnectedness. What about Africa? How are the problems related?
Aim	To compare African and European results Campaign against water wasting To discuss causes, results, strategies.
Timing	1 lesson (end of May)
Materials/links/reources needed	African students' photos.
Steps-by-step methodology (concrete tasks, exercises)	Discussing the differences and similarities and planning the Hungarian action.
Action	
Topic/lesson	Let's make a change.
Aim	To make our school pay attention to their water using and littering (organizing a "Day of Water" campaign, a full day of teaching involving all subjects available in our school and all of the teachers).
Timing	A whole day (June)
Materials/links/reources needed	teachers' materials

Steps-by-step methodology (concrete tasks, exercises)	Starting a campaign: Putting on a lot of posters concerning recycling and water saving. Competition: questions concerning water in each subject
Feedback	
Topic/lesson	'Being proud'
Aim	To show our results to the partners.
Timing	1 lesson (end of June)
Materials/links/reources needed	Internet
Steps-by-step methodology (concrete tasks, exercises)	Presentations about the effect in the school. Also listening/reading about our partners – photos, essays (sharing results through email and Skype)
Closure	
Topic/lesson	Closure
Aim	To close the 2nd project also preparing for hosting the Sierra Leonean teachers.
Timing	2 lessons (Sep)
Materials/links/reources needed	TBC
Steps-by-step methodology (concrete tasks, exercises)	What happened last year – sharing photos Slovenian adventures Small party and discussion.

	Brainstorming about the international exhibition
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