

Date: 17.06.2009



ENVIRONMENT & INNOVATION:

Theme 2007/2009

climate change:

let's save energy!

Final Project Report

Environment and Innovation

1. Delegation Identification

Country:	
Organisation:	
Project Name:	Environment & Innovation - A project to promote schools' innovative environmental problem-solving By International Eco-Schools Programme (FEE) in partnership with Toyota Motor Europe
Activity Name:	
Date:	

2. School Identification

School Name / Group of Schools Name:	Hilal Necmiye H.AtaberK İÖÖ
Address:	Mustafa Kemal Cad.No:15 BORNOVA/İZMİR
Region:	Ege Bölgesi
Telephone:	232 3881700
Fax:	232 3428313
E-mail:	www.hilalilkögretimk12tr/-12k
Website or Project website:	www.hilalilkögretimk12tr/-12k
Contact person for this project:	Yılday KANDEMİR
- Position in school	School Manager
- Direct email	
- Direct telephone	232 3881700
Type of school (kindergarten, primary, secondary, etc..) :	Primary School
Age of students involved in the project:	07 – 14 Age
Number of students directly	1430

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involved in the project:	
Total of students in the School:	1430
Number of staff/teachers directly involved in the Project:	70
Total of staff/teachers in the School:	70
Other participants involved (individuals and/or organizations) and the number of them:	Within the school 5 Outside the school 4290
The other participants role:	School supporting staff Students' families and neighbourhood
Rural / Urban setting:	<input type="checkbox"/> rural <input type="checkbox"/> urban
Other relevant information: (maximum 100 words)	<p>As the results of our project about energy saving were seen almost everybody in the school joined as an active member to the project. So, our project went on with approximately 5795 people.</p> <p>The information that we took from our students show that the energy saving precautions affected positively on also the relatives and neighbourhood of our students. (For example; relatives and some neighbours of one of our student changed their incandescent bulbs to compact fluorescent lamps just like our student.)</p> <p>That's why the numbers we mentioned above reflected the controlled people only. If we assume the number of out of controlled family as 500, and every family includes 4 people so at least 2000 people joined to our project indirectly. In this case, the project included about 7795 people.</p>

3. Project Identification

Project Title	Energy Saving
Project keywords	The cheapest energy is the saved energy.
Project Summary (maximum 100 words)	<p>The increase of energy need of our country, climate changes, and the increase of greenhouse gases that causes global warming made necessary the effective and productive usage of energy in every field mainly in the area of heating and electricity.</p> <p>The aim of the project is, to make real the energy saving in the school building with the help of the students, teachers and the other staff (to turn off the unnecessary lamps, to close the outer doors in winter with the surveillance of the guard students and teachers, to turn completely</p>

	<p>of from the button of TVs and computers etc. To use photoelectric cell lamps in th places like archive rooms and restrooms.) and to make live the energy saving conscious in the minds of every person, to support the project with writings, brochures, posters etc on the billboards and so make the saving habits as a life style and to continue these kind of habits also in homes.</p>
<p>Introduction and outline of the challenge addressed by your schools or group of schools.</p> <p>(Please submit a description of the problems that your project addressed. How was the situation prior to the project?)</p> <p>(maximum 1 page)</p>	<p>We think that our project can solve this problem: Although many of us are sensitive to the environment problems, we are not sure about what we can do about to decrease the environmental damages that occurs as a result of increasing the energy needs. If we choose to use the electricity energy more proactive , we can provide a big assistance to the solving of environmental problems. Besides, the important difference of our project is it is measurable, and also we can easily determine the saving amount of energy in the school and neighbourhood at the end of the application.</p> <p>Generally, in the activities on environmental subjects that made at the schools, to inform the students and education are the main behaviour. But, application and to take a real role in the activity of solving the problem are rarely seen ways.</p> <p>Project work; to make every student active in the energy saving campaign and to determine the exact amounts of saving as TL and kwh. So, school's role in the campaign can be mesured as kwh and TL clearly.</p> <p>The following of the electiricty, water and heating system bills is stil regularly made. It will go on also next year. The electricity bills of students are followed at the first semester this year. The incandescent lamps at their homes changed into fluorescent lamps in the first month and so with the existance of lower bills it is</p>

	<p>obvious that the campaign is working. For example on October a saving contest was started and the next month it was seen that 3.333.000 kwh electricity energy was saved from the students' bills. And three students who had the lowest bill were prized with compact fluorescent lamps.</p>
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4. Project Description

<p>Project description</p> <p>Please include also the following points:</p> <ul style="list-style-type: none"> . Phases of the project; . Calendar/timing of the school project; . Financial information / budget needed. <p>(maximum 2 pages)</p>	<ul style="list-style-type: none"> • The project aimed the participation of all students. Two energy volunteer studens were chosen from every class to the "School Energy Productivity Club". Class Teachers took active roles in kindergarten slasses and elementary 1st, 2nd and 3rd classes with the energy volunteer students. At the other classes the class teachers helped to the students with the project. A chart was prepared and every student's electricity bill is recorded on this chart • Every month's chart is evaluated with the previous month's bills and the students in every class who had the lowest bill are prized. The class which had lowest bill in the total amount is prized with a certificate called EN-VER (Most Productive Class in English) • In the project the Assistant Manager Esin KOCABIYIK and teacher Mehmet USTA are the responsible for the application of the project in the school. In this case, to save energy in the school: <ul style="list-style-type: none"> - The incandescent lamps that used for lighting are changed with the compact fluorescent lamps, - "Turn of with the Button" signs are stuck on the electronic devices to avoid the usage of remote control devices. - Thermostats are applied on all the radiators in the school. They are set to 21 degree celcius and also thermometers are set to all class in the school. - A Class and And Energy Star labelled products preferred in buying devices for the school. - The curtains in the classes are shortened for they don't cover the radiators. - To covering up the radiators, to put some covers or anything else on them are prohibited. - The walls of the classes and corridors are painted with light coloured paints for better enlightenment. - All the lamps that used inside the school are cleaned periodically for better enligtment. - High reflective electric bulbs are used to have a better productivity of enlightenment - "Turn Off If It Is Unnecessary" printed labels are stuck on every
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	<p>buttons of lights and the labels are also enriched with environmental symbols.</p> <ul style="list-style-type: none">- Some workshops about electricity productivity and energy saving are made at the school.- Educational movies and presentations are shown to the students to make them more conscious about energy saving. They are told about the usage of energy saving at their homes and the places they're worked in.- The students who provide most energy saving at their home are prized.- In-school contests are organized on painting, poetry, story, poster, song, movie, etc.- School's expenses of fuel and energy are regularly recorded.- Before the heating time in winter caring and repairing procedures of all the heating equipments are carefully made. A Class Climate devices are used. Thermostatic systems are set on all the radiator systems.- Considering the heat lose are occurred in the outdoors, school manager declared an instruction to keep close them by the responsibility of guard teachers and students.- Outdoor enlightenment systems are set enough to guarding systems only. A research is continuing about the outdoor enlightenment systems to make with solar energy right now.- Ventilating fan systems are preferred to climate systems especially in the classrooms.- Paper, plastic, glass, batteries are collected for their own recucle storages.- The usage of leather balls, metal thermos bottles and glass bottles are promoted instead of the usage of plastic bottles and balls.- Environmental and energy saving relating subjects are given to the students for their project home works and assignments. Some contests related to energy saving and productivity are organized between the students.- "Don't Waste" labels are stuck on all the water valves in entire school.- 2 lt bottles are installed into the water closets in the toilets and so, the water amount that used decreased.- About 15.000 trees are planted with the cooperate of Aegean Forest Foundation and TEMA Foundation. Only in March we planted about 3.000 trees and our school won a title for this work.- An "Energy Management Unit" are founded in our school by the participation of the school manager, assistant managers and teachers. <p>-School's water and electricity expenses are regularly measured and published on the billboard and the school magazine called "KARDELEN"</p> <ul style="list-style-type: none">• The project have lasted for 8 months between October 30th, 2008 and June 1st, 2009 by the surveillance of the school manager.• The project is based on the school's own budget and some sponsors' donations. Our school is also prized with some Euros by a National Jury for Environment and New Ideas Projects. We need about 6.000 TL for our project to lighten the school garden with a solar energy system.
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