

ERASMUS + KA219
ENERGY FOR LIFE



TITLE: RENEWABLE ENERGY.

COURSE: 5th B

AREA NATURAL

SCIENCE

THE RENEWABLE ENERGIES

FIRST NAME	THE RENEWABLE ENERGIES.		Course: 5th B	Number of sessions: 6
Justification	<i>It is to raise awareness among students about the existence of a number of sources of alternative and renewable energy that will help us take care of the environment around us in particular and the whole of our planet Earth in general. Also we know how these renewable energy and the need for them to ensure our future work.</i>			
contents	<ul style="list-style-type: none"> - <i>Use of ICT.</i> - <i>Individual and group work.</i> - <i>Planning and implementation of projects.</i> - <i>renewable energy versus non-renewable. Sustainable and equitable energy development.</i> - <i>active in the preservation and care of the natural environment behavior.</i> 			
goals	<ul style="list-style-type: none"> - <i>It makes proper use of information and communications technology (ICT).</i> - <i>Know and use protective measures and personal safety to be used in the use of ICT.</i> - <i>Develop habits of individual and team work, critical sense, personal initiative, curiosity, interest ...</i> - <i>Know the fundamentals of science.</i> - <i>Valora health.</i> - <i>Rate the responsible use of energy sources on the planet.</i> - <i>Identifies and explains the differences between renewable and non-renewable energy, and argues on the actions necessary for energy, sustainable and equitable development.</i> 			
Resources	<i>Videos, photos, murals and model.</i>			
Skills in each area:				
NPPs	renewable energy versus non-renewable. Sustainable and equitable energy development.			
Technology	Internet research on alternative energy sources.			
Engineering	Building a model.			
Artistic	Make two murals and construction of a model.			
M matemáticas	Calculation of the remaining years we use non-renewable energy.			



Evaluation: direct observation of class work, job history, participation in discussion and evaluation of responses.	ACHIEVED	IN PROCESS	NOT ACHIEVED
Students have achieved most of the planned objectives.	✓		
The sessions have been well planned according to the level of students and curriculum	✓		
The difficulties encountered have been resolved during the process.	✓		
The STEAM activities have increased the level of knowledge and curiosity about the subject.	✓		
The results of STEAM sessions have been understood by most students.	✓		

START

Session 1. Research on the Internet, in pairs, the different sources of non-renewable and renewable energy, and how many years we use are non-renewable energy.

Session 2. Discussion of the various sources of energy you know, both renewable and non-renewable, analyzing the advantages and disadvantages of each.

IN PROCESS

Session 3. Viewing different videos for different energies understand how they work and how they produce renewable electricity we use in our daily lives.

Session 4. Watching a video on wind and solar energy which includes a fun quiz to students will respond and thus keep the video a more dynamic and participatory.

Sessions 5 and 6. Preparation of two wall and building a model as a final project of the unit.

FINAL SCORE

Students have become aware working this unit overuse of non-renewable energy we do in our daily lives and the lack of awareness that there is still in our society on importance of tomorrow.

In addition, they are now more involved in changing certain habits like not to be the light of a room on if they're not in it, turn off the television and other electronic devices completely because if



It is the light on still spending ...



