



'GreenSmart Stories'

- a problem-based entrepreneurial story book created by students of partner countries of Erasmus+ 'Smarter...Greener...Safer...' project and involving problem solving, entrepreneurial skills and environmental knowledge incorporated in everyday life. The 'GreenSmart Stories' book contains 5 chapters created by students and followed by tasks which provoke discussion concerning protection of natural environment and require entrepreneurial approach (also soft skills). The stories may be used in mixed ability classes as the contents allow for varied interpretation and difficulty adjustment.





GREEN SMART STORIES



'Green Hills'

Once upon a time, in the Kingdom of 'Green Hills', located on an island of 'One Hundred

Roses', there lived a Queen who was very devoted to all the inhabitants. She loved them all.

She was a role model of how to live on the island. She taught her people how to be patriotic.

She encouraged them to respect one another and, first of all, to respect the nature around them.

The Queen warned the inhabitants that if anyone intentionally does any harm to other people, trees, bushes and other plants on the Island, they will put the country in danger. She said: 'There are roses growing alongside the coastline of our island. Every act of doing some harm to others or the environment will result in the fall of one rose petal. If all the rose petals fall down, the Kingdom will be in serious danger and no one will be able to save it.'

The island inhabitants took the Queen's words very seriously. They tried to live in harmony with nature. If they used any natural resources, they tried not to do any harm to the environment. They even discovered some hot springs. They started using geothermal energy to heat their houses and thanks to that they did not pollute the atmosphere. The natural hot water was used on the farms as well. The people segregated rubbish and put it into special containers so that it could be recycled and used again.

Unfortunately, not all the inhabitants took the Queen's words seriously enough. Year by year, there was more and more devastation to the natural environment of 'Green Hills'.

Some people were in great conflict with one another. They became greedy and wanted to have more and more and become richer and richer. They were so busy that they did not even notice when the last rose petal fell down ... The roses could not defend the Kingdom borders any longer... Newcomers started to arrive. They started building mines, factories and ironworks.

The sky, which used to be clear and blue, was now covered with heavy clouds of smoke. The air was not clean any longer. People had problems with breathing and they fell ill much more frequently.



‘Green Hills’

No one cared about recycling and the environment became polluted and destroyed very soon.

The people finally realised the situation. They remembered the Queen’s words ... but it was too late. The natural environment, so precious and necessary to live, was totally devastated.

The lesson came too late ...

Let’s protect our natural environment and our beautiful planet !!!

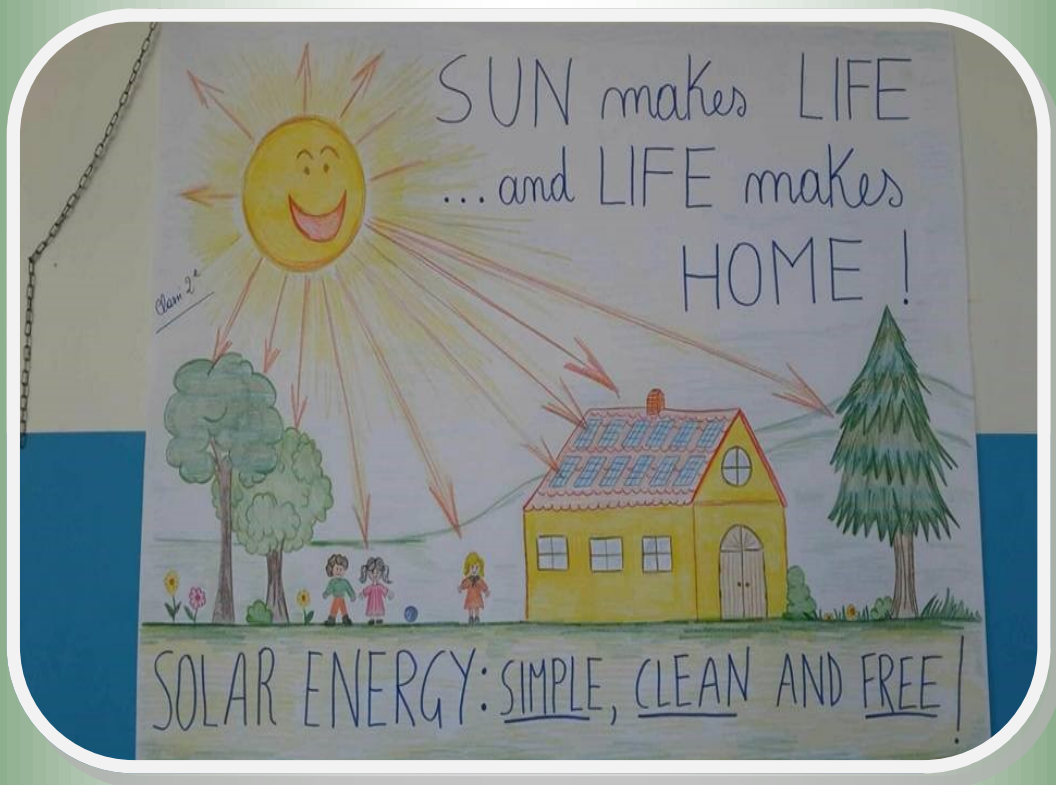
Written by Hanna Dembicka

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QUESTIONS for a discussion:

1. How did people of Green Hills protect their natural environment in the beginning?
2. What caused the devastation of the natural environment of Green Hills?
3. What kind of scientific knowledge might have helped the people to prevent the ecological disaster? (think of knowledge of different subjects such as Biology, Chemistry, Physics, Maths, Geography, etc.)





“My name is Flora”

My name is Flora and I'm 12 years old. In the small village where I live, Vila Nova de Paiva, there are many trees, a river of clean water that winds between green valleys and, as everywhere else, there are people who like the place where they live.

Today, on my way home, after school, I noticed in more detail what Man is doing to the Planet, using vehicles that release smoke, consisting of oxides of carbon, sulfuric, nitrogen, among others, as I learned today in my Science class. In most of all subjects we talk about this global issue. As I began to pay closer attention to what surrounds me, I became aware of many things that once escaped me and now they are shocking me:

rubbish bins full of waste, packaging and glass, open spaces without trees ... On my way home, I became more and more intrigued by this, because we are, each in our own way, perhaps not even realizing that it is spoiling Nature with its unconscious habits.

I came home thoughtful and a bit disillusioned with the Human Being who, as it is easily seen, is taking advantage of Nature. For me, at the age of twelve, I was so used to live like this and to see these things, that I didn't understand we could live otherwise.

At dinner, I realized that most foods are manufactured using modern techniques and sophisticated products, but they hide artificial substances that are dubious for health and harmful to the environment, such as palm oil, obtained from felled trees. But my mother noticed that I got odd and she wanted to know what I was worrying about:

- What's wrong with you, today?

- Maybe it's nothing important.



“My name is Flora”

- Everything can be important, especially you: you are very important to me!
 - Well, today at school, we talked about some of the environmental problems and transformations we're causing on Earth. And I started thinking about the way we live in our land.
 - And you say that this is not important !? It is our life and our future that is at stake!
 - Do you know how we lived at our grandparents'? - my father asked me - It was so different from nowadays. I went to school on foot and my grandfather had a bicycle to go to the farm where he harvested vegetables and fresh fruit. And what I liked best was swimming in the river with my friends.
 - Right... Now you don't live that way. We have everything we need in the supermarket and we have heated pools. We have cars and a lot of appliances connected to electricity. I dreamed that I had my own house with several new technologies, one hundred percent green and without the old polluting technologies: the shingles and the glass collected all the necessary electricity from the sun; the walls were made of natural and renewable materials; there were rainwater reservoirs that stored all the water necessary for my family; inside the house, the room temperature was always pleasant regulated naturally; fruit trees and vegetables grew biologically, in the yard. I also dreamed that no one drove cars like ours, they were all electric with organic batteries yet to be invented, oddly popular bicycles came up and everyone lived well in comfort and health. And above all, they spent their free time outdoors with the most varied group activities.
- Nature was a source of life and not a source of resources.

The students of the 7th year of Agrupamento de Escolas de Vila Nova de Paiva.

“My name is Flora”

When I woke up, still disturbed by the previous day, but fascinated by this dream, I wanted to go to school to convince everyone to fight for my dream. But I realized that, for now, the change began in me, at home, around me, in my studies.

I made a strong decision for my life - I wanted to be happy, now and in the future, in the world we live in. I decided I would study hard to create environmental solutions that are still unimaginable...

I, Flora, twelve years old, would be an environmental engineer.



“My name is Flora”

Green Smart Stories

The quiz about “My name is Flora”

QUIZ:

1 - In this story, Flora is:

- a) The name of the village in which the character lives.
- b) The name of the character.
- c) The way in which the kingdom of plants is designated.

2 - At school we talked of global issues:

- a) In science classes.
- b) In general, in almost all subjects.
- c) To do the homeworks.

3 - The inhabitants of the village of Flora:

- a) Polluted the environment with their way of life.
- b) They had everything organized to save and recycle.
- c) They imagined a future free of pollution.

4 - The parents of Flora, in the face of environmental oscillations,

- a) They are conscious and transmit to the daughter good habits like walking.
- b) They live life like everyone else without thinking much about the environment.
- c) Convinced the daughter to study the environment to protect.

5 - What Shocks Flora the Most

- a) It is impossible to live in the time of your grandparents.
- b) It is to see how people's way of life has become unsustainable.
- c) To dream and not be able to do anything to change the environment.

6 - In that dream, Flora

- a) It escapes the reality that surrounds it.
- b) See a desirable but impossible future.
- c) See a cause to fight for.

7 - Flora will start your project already

- a) to persuade all persons to protect the environment;
- b) Gradually learn all you can to find environmental solutions.
- c) Encourage colleagues, teachers, people to dream of a cleaner planet.

The students of the 7th year of Agrupamento de Escolas de Vila Nova de Paiva.





Erasmus+



Cleaning the whole

Martin wakes up at six o'clock. He puts on his clothes, combs his hair and walks to the window. He opens the curtains and sees piles of trash lying around. Martin's frustrated, he shakes the feeling of disappointment and walks down the stairs.

Martin puts his porridge on the stove to boil. When it's ready he pours it in to a big bowl and sits down to eat it. Suddenly he starts to feel sick. He throws up and realises that the milk in the porridge was two weeks old. After being in the bathroom for an hour, he looks at the clock and starts rushing to school.

On the way to school, he picks every piece of trash that he sees and puts them in his backpack.

Some of the trash fell and Martin needed to go back and pick them up.

When Martin finally arrived to school, he was 15 minutes late. He apologized to his teacher and told her why he was late. The teacher, Ms.Bubblegum said that it was ok but the rest of the class just laughed at him. Some of his bullies mocked him. Martin sits down at his desk and tears up a bit. This is his life everyday.

After school Martin runs home crying. The bullies were mean to him again while he was picking up plastic bottles.

When he gets home, he opens the door and walks to his room. He lies on the bed and closes his eyes. Martin wakes up when his mom comes home. She notices that Martin is in his room and she knows what happened in school, because Ms.Bubblegum sent her a message about bullying that happens in school everyday. Mom comes to Martins bed and sits down next to him. She tries to comfort him.

During the night Martin sees an odd nightmare. In the nightmare Martins whole town gets buried in trash. Martin flies across the sky and saves people drowning in trash. He knows that its his mission to save the town from the trash wave, but he can't do it alone. Suddenly Martin gets hit by plastic bottle on the head and then he wakes up. Martin is very sweaty and he is feeling very disgusted.

Cleaning the whole town

He runs to the shower, but makes sure that he doesn't use too much water. While in shower the master idea hits him. He can feel the light bulb lighting up on his head. He must do a petition about cleaning the town! He does his morning routine, grabs a pen and a piece of paper and runs to the school without picking up the trash on his way, because he is so excited about the petition. At school Martin finds out that everybody had the same nightmare and they were more than happy to write their names on the petition.

Only ones that didn't want to write their names are the bullies. They just laugh and call it a stupid idea. Teacher parts the class in little groups that would go and get autographs on the petition. Next day at school they look at how many names they've got. The bullies had none and the teacher isn't thrilled about it.

The main bully didn't sleep well, because he had another nightmare about the trash wave. He is little bit scared of it, but doesn't have the guts to admit it. Couple days after bullies have had the same dream over and over again.

They are too scared even close their eyes. They know what they must do. So when they see Martin in school they immediately agree to sign the petition. Martin is very glad about it, because they have finally made the peace.

Then the whole class marches to the town hall to make a suggestion about cleaning the town together with all of its residents. They show the petition to the mayor Tim Rintin and tell him about the dream that everybody was having. Mayor Tim Rintin thinks that it was a wonderful idea and he wants to do it right away.

It took two days and finally the whole town was clean again. It was a dream come true for Martin.

Cleaning the whole town

He was so happy about it that he even hugs his meanest bully. The towns people carry Martin to the mayor Tim Rintin, so that Martin can be awarded with a medal for his good work. In the progress of cleaning the town, Martin got many new friends and everyone could finally breathe fresh air again.

Written by

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Questions:

- 1) Why do you think Martin starts feeling sick?
- 2) What made him pick up the trash on his way to school?
- 3) Why was his classmates initial reaction to laugh at him?
- 4) What made them finally sign Martin's petition?
- 5) What do you think is the moral of the story?



Erasmus+

Silver Scales Saving Seas

Somewhere, far out in the open sea of the Adriatic, a little wave was playing, sailing, rolling, enjoying... It didn't even sense that a life is being born not far from it. Little fish were just born and went joyfully for their first swim. They admired their beauty but also the beauty of the crystal clear blue sea. The happiest among them was the prettiest little fish. Her gold scales were shimmering on sunrays. She was swimming, exploring every hole, plant and shell.

Her curiosity led it further and further away into the blue vastness of the Adriatic Sea. All of a sudden, she realized that she was all alone. She started nervously looking for her brothers, but they were nowhere to be found. She was filled with great sadness. Her sadness was felt by the little wave and it promised to take her through all the seas of the world until they find her dear brothers. They were swimming for a long time, enjoying themselves, but all of a sudden the fish's fins became very heavy.

A big oil spill made moving very difficult and covered her beauty. Not even the mighty wave could help her. She was struggling and struggling and in her fight almost got trapped in a can. What is this? What is going on? The fish didn't have to wait long for help. She asked the little wave to swim and with its might push away the oil spill and garbage to the shore in hope that good people will then remove it.

Of course the little wave did as asked. They agreed to swim together through all the seas in the world and help in preserving these endless beauties. It wasn't easy, they were sailing, pushing away the oil spills, taking plastic and garbage out of the sea... The fish's gold scales were no longer shimmering in sunsets but she wasn't sorry for that.



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Silver Scales Saving Seas

- Which countries joining the Adriatic Sea?
- How many species of whales live in the Mediterranean Sea?
- Which oceans are connected to the Mediterranean Sea? What are the names straits that connect them?
- Algae, corals and mollusks live on the bottom of the Middle Sea. They are food to other animals. What animals eat them? Continue the feed chain.
- What make the largest pollution of the ocean?



Erasmus+



“As in fairytales”

Clelia loves reading classic fantasy books, but one day her mum saves some fairytales in a box and Clelia's dad unintentionally throws the box away in the rubbish. Since that moment the characters' lives change forever.

Unexpectedly, Cinderella is in a bin, Snow White and the seven Dwarves are on the road, whereas Beauty and the Beast are near the house.

The characters trapped in Clelia's books are catapulted in the real world.

Snow White and the seven Dwarves, Cinderella, Beauty and the Beast are super confused, they are lost in Clelia's city.

Snow White exclaims: "Where are we?!", Cinderella asks: "What's happened?" No one answers. In front of the characters a blurry figure appears, that is Walt Disney, their creator, and he says: "You are here because you must rescue this city, the humankind wastes energy, you must help men to understand the importance of renewable resources.

The characters don't know what renewable resources are, but they have a brilliant idea: they can ask Clelia for help. Snow White and the seven Dwarves, Cinderella, Beauty and the Beast reach Clelia's home, she is astounded but she believes in fairytales, so she decides to help them. Clelia explains them the use of renewable resources: they produce energy.

The characters understand it and complete the mission. In two-three months Snow White and the seven Dwarves, Cinderella, Beauty and the Beast build some solar panels and create the promotional campaign “As in fairytales”: it's about the saving of renewable resources.

The characters understand it and complete the mission.

In two-three months Snow White and the seven Dwarves, Cinderella, Beauty and the Beast build some solar panels and create the promotional campaign “As in fairytales”: it’s about the saving of renewable resources.

Beauty says: “We have finally finished!”, and Cinderella: “Well done!”.

Their creator Walt Disney appears again, he exclaims: “Great!...Now you are free.”

Their lives go back to normal.

The humankind understands the importance of solar energy and they live happily ever after.



FONDI STRUTTURALI EUROPEI **pon** 2014-2020 **MIUR**

Unione Europea PER LA SCUOLA - COMPETENZE E AMBIENTI PER L'APPRENDIMENTO (FSE-FESR)

TRINITY COLLEGE LONDON

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“As in fairytales”

READ AND CONNECT...We recycle

What is renewable energy?

It's a power plant made up entirely of wind turbines — sometimes one or two, or as many as 150. It's called a "farm" because they're usually found in rural areas.

Renewable energy is also called

The solar collectors you see on rooftops use a process called photovoltaics. Silicon, an element found in sand, is used to convert sunlight directly into energy.

What is a wind farm?

Clean energy or Green power

How do solar panels work?

Biomass energy uses natural materials like trees and plants to make electricity.

Biomass energy uses...

Renewable energy is made from resources that can be renewed by Mother Nature: wind, water, sunshine and biomass.

“As in fairytales”

Instructions:

Choose an answer...

Which is NOT a source of renewable energy?

- ♦ Wind
- ♦ Water
- ♦ Gasoline
- ♦ Solar

Which renewable energy source uses living things to produce heat or electricity?

- ♦ Wind
- ♦ Water
- ♦ Solar
- ♦ Biomass



**Written by students from Istituto Comprensivo Madonna della Camera
Di Monteparano – ITALY**

“As in fairytales”

Which renewable energy source uses rivers or the ocean to produce electricity?

- ♦ Wind
- ♦ Water
- ♦ Solar
- ♦ Biomass







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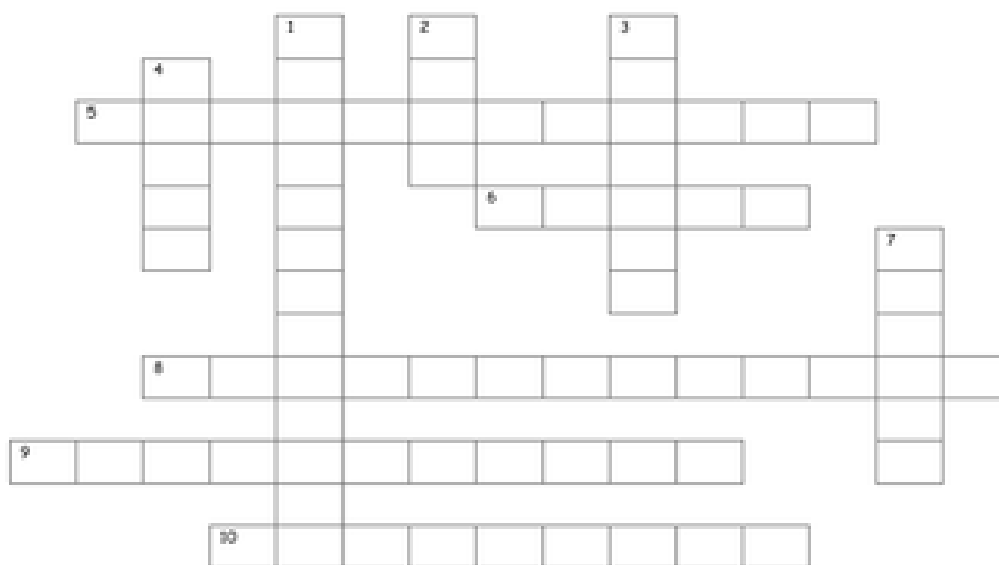
“As in fairytales”



Erasmus+

“As in fairytales”

Energy and Sustainability Crossword



Clues

1. Gas given off when coal burns (6,7)
2. A turbine that should be placed on high ground or by the coast
3. Your TV or computer should never be left on (7)
4. The unit of energy (5)
5. Energy resources that will run out in the near future (3-8)
6. Energy resource caused by the Moon's gravitational pull (5)
7. Coal was formed from these millions of years ago (4,6)
8. An environmental problem caused by the answer to clue 1. (6,7)
9. Coal, oil and gas. (6,5)
10. Energy resources that will not run out in the near future (8)

“As in fairytales”



Erasmus+

GREEN SMART STORIES

'Green Hills'

**I Spoleczna Szkoła Podstawowa im.
Unii Europejskiej,
Zamosc, Poland**

'My name is Flora'

**The students of the 7th year of Agrupa-
mento de Escolas de Vila Nova de
Paiva.**

**'Cleaning the whole'
Twon'**

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Emäkosken koulu Finland
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'Silver Scales Saving Seas'

Prva osnovna škola Čakovec

'As in fairytales'

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