



' Smarter...Greener...Safer...'

LESSON PLAN_ONLINE WORKSHOP... (4 ITALY)

Topic: GREEN INITIATIVE, ELECTRONIC WASTE

Brief description of the lesson:

Objectives: Students will adopt responsible measures for Sustainable Electronicsthe Programme aims to create effective awareness in various levels (of society) to reduce the adverse impact on environment and health arising out of the polluting technologies used in recycling e-waste in the unorganized sector. They have to project the best way to manage an E – WASTE

Objectives: SOLVING THE E WASTE PROBLEMS

Methods and techniques:

- ✓ Problem Solving
- ✓ Scientific method
- ✓ Brain Storming
- ✓ Cooperative learning
- ✓ Role play
- ✓ Learning by doing

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WHAT IS E – WASTE?

Materials and tools:

- ✓ a paper box
- ✓ the school logo
- ✓ the E –WASTE logo
- ✓ a map of the city
- ✓ Social media, school web site
- ✓ camera
- ✓ computer

Preparation:

The teacher have to organize some workshops in his classroom or in the laboratory. Pupils have to divide in groups they will cooperate. Students look for some paper box, then they have to project the E – WASTE logo that will glue on the box. Then they have to prepare a brochure to explain their project and their ideas. Students have to ask the cooperation to the shops, to the other schools , to their families and other people and local community to put the common items that can be recycled through the [WE] box like iron, toaster, coffee machine, clock, hair dryer, electric toothbrush, etc. Laptop, tablet, personal computer and related equipment, calculator, telephone, mobile phone, etc. finally they have to prepare a map of the city to know the collection points .

Class duration:

5 or 6 lessons; two months

Class activities and procedure :

- ✓ **Brain storming:**

Pupils have to understand what is an E – WASTE?

The term "e-waste" is an abbreviation of "electronic and electrical waste".

- ✓ **What is the electronic waste ?**
- ✓ **Why is it important to start GREEN INITIATIVE?**

Students have to ask the cooperation to the shops, to the other schools and other people to put the common items that can be recycled through the [WE] box like iron, toaster, coffee machine, clock, hair dryer, electric toothbrush, etc. Laptop, tablet, personal computer and related equipment, calculator, telephone, mobile phone, etc.

It's important for pupils to understand that the E-waste includes almost any household or business item containing circuitry or electrical components with either power or battery supply.

- ✓ **Guys will research** on the computer informations about electronic waste .

Often, this e-waste is dumped illegally in places such as West Africa, where waste treatment is very substandard and causes tremendous health problems and environmental pollution. e-waste is increasing worldwide by 40 million tonnes annually, and China and India produce a total of 5 million tonnes of e-waste every year; -

Evaluation:

Students work in team and they are satisfied because they can use their ideas , they can decide, discuss with their friends and they product. They show a great interest; they enjoy their time working and using some subjects like math, arts, technology, geography, science.

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