



‘ Smarter...Greener...Safer...’



## LESSON PLAN

### Headline: Entrepreneurship and old devices

**TOPIC AREA:** Sustainable management of natural resources;

Natural resources: overexploitation and effects

Old devices: what to do with them?

**Subjects involved:** Natural Sciences, English, Portuguese and Art

**Projects involved:** Ecological schools

**Other partners:** Local radio station, Town Hall and surrounding communities

Time: 150 minutes

DATE: Monday, 26th November 2018

### SKILLS:

- understand the concept of natural resources;
  - Distinguish renewable and non-renewable natural resources;
  - Recognize the importance of natural resources;
  - Know the consequences of the irrational use of natural resources;
  - Identify different types of natural resources;
  - Know some ways of preserving the environment;
  - Know the waste treatment processes;
  - Understand the importance of recycling materials;
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- Recognize the need to treat waste materials to avoid accumulation, considering the economic, environmental, political and ethical dimensions;



- **to recognise and use vocabulary belonging to the topic;**
- **how to write an email.**

#### **LANGUAGE FUNCTIONS:**

- expressing opinions
- discussing aims / goals
- drawing conclusions
- writing emails
- discussing the effects, advantages / disadvantages of something
- interpreting data ( drawings, pictures, statements ..)
- create a poster

#### **LEARNING AIMS: the students are expected to:**

- assess their knowledge of the topic
- develop critical thinking
- interact in pairs and with the class
- present their conclusions to the class and explain them
- drawing an informative poster
- write emails

#### **ASSESSMENT:**

- direct observation
- behaviour
- level of concentration and participation
- Final result

#### **PROCEDURE:**

**1st step:**

The teacher makes a brainstorm with the students. Several pictures with waste, namely abandoned old devices... are shown to the students. Students comment on the pictures. Their comments are written on the board.

**2nd step:**

The teacher asks the students to join in pairs and to go out to the surroundings and take pictures of abandoned gadgets. (in our country there are still people who abandon them in the woods)

**3rd step:**

Students present their pictures to the class and explain it.

**4th step:**

Students think about ways of fighting this problem. With the teacher's suggestion, students write an email to the local mayor and ask him to send a truck to the surrounding communities to pick up old devices.

**5th step:**

The students send an email to the local radio station and ask them to inform people that the truck is going to come to pick up the devices people do not use anymore.

**6th step:**

Students make a poster with information about the activity. They put it in the streets.

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**7th step:**

When the devices are at school, students contact the factory and enter on a national competition to win products to our school.

