**Erasmus+ project 2018-2020
2018-1-HR01-KA229- 047516**

**Stop Climate Change – Together Europe Achieves More**

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LESSON PLAN**
**Lesson:** *Floods – Causes, Effects and Solutions*

**Teacher:** Giovanna Filomena Palumbo
**Time:** *50 minutes*
**Level :** Intermediate

**Key words:** Flood; River overflow; Rain; Hurricane; Tsunami; Cyclone; Dam; Ice; Snow-melt; Floodplain; Upstream; Downstream; Thunderstorm; Rainfall; Banks of the river; Waterways; Environment; Ecosystem; Delta; Dredge; Mudslide; Silt; Diseases; Mud

**Objectives and goals:**

* Knowledge of causes and effects of flooding
* Promote discussion and reflection about environmental issues
* Suggest solutions

**Outcomes:**

* Students will realise the danger of environmental problems caused by flooding and by climate change

**Language skills:** Listening, Reading, Speaking, gap filling, matching and Writing
**Required materials and equipment :** a PC and a projector, photocopies, pens
**Student grouping:** small groups (4 students per group)

**Literature:**

* Internet

**Sources for the PowerPoint presentation:**

Floods – Causes and Effects of Flooding/Flood... - English online

<https://www.english-online.at/geography/floods/floods-and-flooding.htm>

eSchooltoday – Flooding

Climate Change, Extreme Precipitation and Flooding: The Latest Science (2018)

<https://www.ucsusa.org/global-warming/global-warming-impacts/floods>.

*The New York Times*: „More Floods and More Droughts: Climate Change Delivers Both“, by John Schwartz, December 17th, 2018

*Independent*: „10 measures that must be taken to prevent more flooding in the future“, by Katie Grant, 29th December 2015

**Outline**
 **Introduction** (5 minutes)

1. A short presentation of students and the teacher (name, country, age)

2. Teacher will inform students they will see a PowerPoint presentation about floods, then she will give them out a paper sheet with the following questions:

1. What is a flood?

2. What are three types of floods?

3. What are the effects of flooding?

4. Can you suggest your own solution to prevent flooding?

**Procedure**

1. Students will answer to the first question and teacher will read to them their answers. Then she will show them a presentation that explains causes and effects of flooding and how climate changes widen the frequency of floods.

(20 minutes)

2. Teacher will ask students to answer to the second and third questions. (5 minutes)

3. After that, teacher will show the last slides of the presentation, concerning some suggestions about the prevention of floods, and she will invites students to give their own suggestions by answering to the last question. (5 minutes)

4. Finally, teacher will give them some exercises to do, working in group. (15 minutes)

The first exercise is a vocabulary matching one.

Match the definitions to the words:

Words:

**Bed – Fertile – Flash Flood – Contaminate – Delta – Deposit – Dredge – Cyclone – Mudslide – Silt**

Definitions:

1. wet earth suddenly falls down from the side of a hill

2. flat ground at the bottom of a river

3. to remove mud or earth from the ground of a sea or river

4. leave material on the ocean or river floor

5. fine particles of sand and mud that a river carries

6. if the soil is good to produce crops

7. tropical storm

8. heavy rain that covers a region in a short time

9. to make something dirty so that it cannot be used any more

10. area where a river splits into many smaller ones

The second exercise is a cloze one.

Source: ELC Study Zone: Causes of Floods: Practice Exercise

<https://web2.uvcs.uvic.ca/courses/elc/studyzone/490/reading/floods3-cloze.htm>