



SOLIDARNA FOUNDATION
School workshop
on earthquake
preparedness

METHODOLOGICAL PREPARATION FOR TEACHERS

Educational goal

The aim of this workshop is to familiarize students with natural disasters, in this case with earthquakes, to familiarize them with measures of preparedness and protection, and how to act during and after an earthquake.

Learning outcomes

The student will be able to:

- Describe what an earthquake is
- Provide instructions for handling before an earthquake
- Explain the procedures and instructions during the earthquake
- Present/demonstrate the procedure for taking the position of the body during an earthquake
- Explain the behaviour procedures after an earthquake
- List the necessary things to survive in the event of an earthquake
- Interpret the school evacuation plan
- Develop the skills of independent and team work, and responsible behavior in the event of an earthquake

Teaching methods and strategies

Conversation Presentation Discussion
Demonstration Audio-visual methods Text work
Group work Individual work
Writing method

Necessary resources, aids and materials:

- computer and projector,
- coloring markers,
- several B3-sized papers for making posters (if working in groups) or several A4-sized papers per student for making individual sheets with instructions,
- printed Evacuation and Rescue Plan of the institution

Time required for planned activities:

- Two to three teaching hours 45' (if teacher finds it necessary, more hours can be conducted and repeated more than once during the academic year).
- The indicated duration of each activity is indicative and each teacher decides individually depending on the dynamics of the group.

Key terms

EARTHQUAKE, EARTHQUAKE PROTECTION, RESPONSIBLE BEHAVIOUR, EVACUATION PLAN.

Course of the workshop

1

Activity

In the introductory part, use motivational questions to encourage students to write down or verbally state what prior knowledge they have about the elementary disaster of an earthquake. Encourage them with open questions to talk about what an earthquake is, how they feel about it. It is recommended that they sit in a circle in order to feel closer, more connected and more acceptable. The teacher also takes the same position and sits among the students and becomes an equal interlocutor. (10-15 minutes)

2

Activity

After the introductory conversation, the teacher explains what an earthquake is and directs the students to the following tasks of creating several instruction sheets. Explains to the students how to research on verified official websites for pre-earthquake action instructions, or the teacher opens the website and shows students where to find instructions. When researching the website, the students will record the answers and create a sheet of paper on how to proceed before an earthquake. In the same way, they create another list of Procedure Instructions for the duration of the earthquake. The teacher visits the students and helps them. Each student independently creates and chooses the way of formatting their lists as well as the use of colors that they think will facilitate the learning and memorizing process. (25 - 30 minutes)

3

Activity

After creating the instruction sheets, the teacher describes and demonstrates to the students, in case they find themselves in closed spaces (for example, in a classroom, school), where it is best to stand and what body position to take (for example, take the fetal position next to the sofa, table, etc., or if there is no place to take the fetal position, instruct them how to stand under the load-bearing wall and the jamb/post of the load-bearing wall, etc.). After the teacher's demonstration, the students also perform the exercise and demonstrate positions. (15 minutes)

4

Activity

The next activity is familiarization with the created Evacuation and Rescue Plan. Explain and show students what the plan contains, what is marked, where is the room they are in and what are the exits in case they find themselves in a certain part of the school. After familiarizing with the Plan, conduct an evacuation exercise with the students and explain to them the behavior procedures during and after leaving the building. (25-30 minutes)

5

Activity

After the evacuation exercise and return to the classroom, the teacher assigns a new task for creating the third and fourth lists. The third list contains the Instructions for what to do after an earthquake, and the fourth list contains the List of things necessary for survival (for example, a list of things to store in a backpack such as personal documents, keys, water, flashlight, medicine, first aid kit, blanket, spare clothes, etc.). (25 minutes)

6

Activity

After the students have created all the lists with instructions, it is necessary to set aside time to repeat all the activities and check the achieved results. The teacher can arrange with the students to put the list of instructions on the wall in the classroom so that they are constantly available and visible for them to repeat and remember the procedures. For homework, the students can be given the task to repeat the process with their parents and family members, and to apply the knowledge and skills to the family home as well. (20 minutes)

RECOMMENDED LITERATURE AND SOURCES:

<https://zastita.eu/baza-znanja/kako-se-ponasati-u-slucaju-jaceg-potresa/>

<https://civilna-zastita.gov.hr/vijesti/upute-za-postupu-u-slucaju-potresa/5647>

<https://www.hcpi.hr/koraciupotresu>

