



TITLE: THE NUCLEAR CATASTROPHE

PEDAGOGICAL OBJECTIVES:

- Understand basic concepts of Nuclear Physics
- Explore the structure of atoms of some radioactive elements –Po, Ra, U
- Understand the concept of radioactivity
- Understand Impact of radioactivity on human health and biological systems
- Learn about the achievements of Marie Curie

ESCAPE ROOM SPECIFICS:

Time needed: 60 minutes

Target Group: 16 years old students

Number of participants: 25-26

Level: 10 grade – General secondary education

STEAM subjects covered:

Physics- Atomic structure
Technology – Radiology, nuclear physics

ESCAPE ROOM SCENARIO KEY POINTS:

- Who are the participants?

A whole class of students is chosen to participate in the solving of puzzles.

- What is their mission?

Their mission is by solving the puzzles to prevent a nuclear catastrophe.

ESCAPE ROOM MAIN MATERIALS:

- Pens/Pencils Paper Highlighters
- Paper bags/folders –5 for each group containing the materials for each puzzle
- Printed text for each group

