



TITLE: THE PLANE CRASH

PEDAGOGICAL OBJECTIVES:

- Understand basic concepts of Physics
- Revise the basic Physical quantities- velocity, acceleration, distance, energy, pressure, force etc.
- Understand how to apply physical quantities in order to resolve physical problems – qualitative and quantitative.
- Learn about the inventions of one of the first aviation engineers in Bulgaria

ESCAPE ROOM SPECIFICS:

Time needed: 60 minutes

Target Group: 15 years old students

Number of participants: 25-26

Level: 9 grade – General secondary education

STEAM subjects covered:
Physics- Mechanics
Technology – Aerodynamics and aviation

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 the plane that they are boarding from crashing down.

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

