

Type of material: Lesson plan

## Subject: Communication and problem solving

### Topic: Keep talking and nobody explodes

#### General competencies developed during the lesson:

Cross-cultural competence, Computational thinking, Transdisciplinary, Design mindset

#### Digital study materials developed for the lesson:

#### Digital sources used for the lesson:

<https://keeptalkinggame.com/>

<http://www.bombmanual.com/>

<https://bombmanual.github.io/>

#### Objectives:

Students will:

- 1) Practice and develop collaboration skills
- 2) Improve their concentration
- 3) Use digital devices

#### A. Introduction:

- A student is trapped inside a virtual room along with a ticking bomb that has to be disarmed. The other students are the bomb experts with a manual. They need to find out how the bomb can be disarmed by interpreting the information they find in the "Bomb Defusal Manual". The problem is ... the experts can't see the bomb! Through communication the student with the bomb and the experts have to solve the problem before the bomb explodes.
- Before class you have to purchase and download the game. Purchase the game from the developers, not Steam. If you use Steam you have to be logged in to play the game.

#### B. The gameplay

##### 1 Hour

Divide the class into groups of 3-4 students.

One group decide who should be "disarmer" (1 student) and who should be "bomb experts"(rest of the group). Let the group study the bomb manual and give them time to make a strategy on how to divide the tasks required to disarm the bomb. For example who is the

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leader that makes the final decisions, divide the modules etc. The other groups have to observe and are later to give feedback on the bomb groups communication and collaboration skills.

Let the class and the disarmers see the bomb on a whiteboard/screen. The bomb experts are facing away from the screen.

The teachers role in this assignment is to make sure that they all follow the rules and help when the disarmers are completely astray.

After the first group of students have tried to disarm the bomb let the other groups discuss and come with constructive criticism on what could have been done differently to improve the result.

Then it's the next groups turn.