

Supplementary Table S6. Post-test questionnaire

1. Identification

Student code	
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2. Knowledge and risk judgements

Item	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
1. I think I could escape in time if I see a tsunami approaching from the beach	☐	☐	☐	☐	☐
2. If I am at the beach and a very strong earthquake occurs, I would quickly flee to a high place.	☐	☐	☐	☐	☐
3. If the seawater suddenly drops, I would not give it importance and I would stay on the beach.	☐	☐	☐	☐	☐
4. In a flood, it is important to buy bottled water to brush my teeth and wash the dishes.	☐	☐	☐	☐	☐
5. In a flood, it is safe to walk through the water if it only reaches my ankles.	☐	☐	☐	☐	☐
6. If there is a flood, I would go down to the garage to get my car out so it does not get damaged.	☐	☐	☐	☐	☐
7. In the event of an earthquake, I would evacuate via the elevator instead of the stairs because it is faster.	☐	☐	☐	☐	☐
8. If there is a heatwave, drinking soft drinks is an appropriate way to stay hydrated.	☐	☐	☐	☐	☐
9. Heatwaves only affect the elderly or those with underlying health issues.	☐	☐	☐	☐	☐
10. During a heatwave, it is sufficient to drink liquids only when feeling thirsty.	☐	☐	☐	☐	☐
11. If I only see smoke without visible fire in a forest area, it is not necessary to alert the authorities.	☐	☐	☐	☐	☐
12. I know the emergency phone numbers and how to contact civil protection services.	☐	☐	☐	☐	☐
13. I have a family emergency plan that includes meeting points and emergency contacts.	☐	☐	☐	☐	☐
14. I have informed myself about whether the place where I live is a risk area for any natural disaster.	☐	☐	☐	☐	☐

3. Evaluation of the game “Heroes of Disaster”

Item	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
1. The game “Heroes of Disaster” has helped me learn DRR concepts related to natural disasters.	☐	☐	☐	☐	☐
2. The game’s scoring system motivates me to achieve a higher score.	☐	☐	☐	☐	☐
3. My familiarity with prevention measures is reflected in my game score.	☐	☐	☐	☐	☐
4. I can simulate the DRR decision-making process within the game.	☐	☐	☐	☐	☐
5. The amount of information in the game does not overwhelm my learning.	☐	☐	☐	☐	☐
6. Playing “Heroes of Disaster” has helped me to understand real-life cases of natural disasters.	☐	☐	☐	☐	☐
7. Playing “Heroes of Disaster” has motivated me to take an interest in DRR topics in daily life.	☐	☐	☐	☐	☐
8. The scenarios simulated in the game are applicable to real-life situations.	☐	☐	☐	☐	☐
9. I find the game “Heroes of Disaster” to be very complex to play.	☐	☐	☐	☐	☐
10. Teaming up with other people is more fun than playing alone.	☐	☐	☐	☐	☐

What did you like most about the game?

Do you have any suggestions for improvement?

4. Perceived skills and self-awareness in DRR

Item	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
1. I pay attention to whether the place where I live may be affected by any natural disaster.	☐	☐	☐	☐	☐
2. I understand the social impacts caused by natural disasters.	☐	☐	☐	☐	☐
3. I can analyse the causes of natural disasters.	☐	☐	☐	☐	☐
4. I can understand the losses and their magnitude caused by different types of disasters.	☐	☐	☐	☐	☐
5. I can mention several natural disasters that have occurred in Spain and their causes.	☐	☐	☐	☐	☐
6. I can understand whether the government invests in DRR policies.	☐	☐	☐	☐	☐
7. I can judge whether DRR measures are implemented according to the needs of each area.	☐	☐	☐	☐	☐
8. I regularly consult weather forecasts to evaluate the risks of extreme storms, floods, and heatwaves in my city.	☐	☐	☐	☐	☐

Scale: 1 = Strongly disagree · 5 = Strongly agree