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1. Introduction

Objective of the game

The **main objective** of the game is that, after its finalization, learners are able to:

- Understand what floods, earthquakes, storms and wildfires are
- Understand the different ways the four disasters are naturally caused
- Understand the importance of some of these events for the natural world
- Understand how human activity and actions turn these natural disasters into catastrophes
- Know about processes to predict the occurrence of these natural disasters
- Know examples of effective technology that can help in predicting and mitigating the effects of natural disasters
- Recall examples of devastating consequences of the natural disasters in human life
- Know about measures at a wide scale that can prevent such catastrophes
- Have a notion of personal responsibility in the prevention of catastrophes
- Know useful and practical tips about how to be prepared and stay safe in the occurrence of these disasters
- Know how to act in the occurrence of these disasters to protect themselves
- Know how to act in the occurrence of these disasters to help others

Description of the game

The rAn game main focus are natural disasters and emergency preparedness. The game aims at promoting awareness among young children in the field of natural disasters for predicting, preventing or facing these situations. The game focuses on four natural disasters: floods, earthquakes, storms and wildfires.

The game is played individually. In order for the user to be prepared to prevent and face these disasters, different minigames will have to be completed with a high enough total score. To complete the game, the user will complete the final assessment game.





2. Game

Introductory screen

In the introductory screen we can find the Player Login screen. If you click on the "Player" square, you will be able to choose one of the players that might have already been created previously.







You can either choose login to a previously created user by clicking on "Login" or create a new one by clicking on "New player".



If you click on "Language" you can switch to a different one. You will be able to choose between English, Greek, Spanish, or Portuguese.







If you click on "Exit game", a confirmation message will appear about whether you are sure you want to exit the game.



If you choose to create a New player, you will be able to insert a new username.







Write your username in the square "Click here for username".



After choosing your username, you will have to choose your avatar. You can choose among eight different characters.







Then, you will get the previous screen in which your chosen username will appear along with a welcome message in your selected language. You will realize that three new buttons appear now: "Play", "How to play" and "Logout".



Settings button: Music on/off; Sound effects: on/off





If you click on "How to play" you will get the following informational screen explaining the main characteristics of the game such as the available areas in the game, locked ones and the information regarding points and badges:

Learn how to be prepared in the case of a natural disaster! The mentor you'll choose will show you around. Listen carefully to what they have to say - they may provide you with some useful information! There are 5 areas on the Naturia map. You have to visit the first 4 (Tectonic City, Blaze forest, Waterside, and Thunder isle) and successfully complete all the minigames to unlock the last area, lake Naturalia Each area includes 4 minigames.Click on the flashing items to open them. When you finish a minigame, you can either save your points and lock the minigame or discard your points and play it again. For each area you complete, you earn a badge (Gold, silver, or bronze) Tip! Do your best to collect as many gold badges as you can You get up to 10 points if you complete a minigame. You get up to 40 points if you complete all minigames in an area. You get extra points for each badge: - Gold badge: 35 points - Silver badge: 25 points - Bronze badge: 15 points Min. points you need in order to finish the game: 165 (areas + badges) + 75 (lake Naturalia quiz) Complete all the areas, go to lake Naturalia and complete the final quiz to finish the game. Good luck In the 4 areas you will see 4 flashing items with the www symbol above them. When you click on these items you will be taken to an external website with a short game, play it to learn more about natural disasters! These are extra challenges and do not count towards your final score. OK

Click "Play" to access the game screen.







Screen of the game

Firstly, you will be shown an introductory conversation between two characters (the one you have chosen and one more) in which they explain what has happened to Naturia, the game's world. You can either go through the conversation and read it or skip it.





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	But all the places look destroyed How did that happen?
	Naturia was hit by multiple natural disasters - but you can help us rebuild it! Visit the different areas on the map, complete the games, and everything is going to be restored!
۵	I will do it!
	Good luck!





Now you will have to choose a character that will guide you through the different areas of the game. You can choose among three different characters: Naturia's firefighter that will teach you all you need to know about natural disasters, Skylar the robot, who will always be by your side; or Olivia, the ghost of the founder of Naturia, who founded the country 500 years ago and will tell you all its secrets.





In the main game screen, you can see your character along with your current score and the guide you chose in the upper part.

Bellow, the Naturia map is shown. There are five areas: Waterside, Blaze Forest, Thunder Isle, Tectonic City and Lake Naturalia (the final assessment). Four areas are active and you can visit them (Waterside, Blaze Forest, Thunder Isle, Tectonic City) and Lake Naturalia is locked. Each active area is hit by one natural disaster (earthquakes, fires, floods, or storms).

You have to visit and complete the active areas in order to unlock Lake Naturalia.







When you click on either of the four active areas you will enter its corresponding screen. Each area has four minigames that you will find by clicking in the different items in the picture: objects, buildings, vehicles, trees, etc. Each area works in the same way.

When the player enters a city, the guide appears and welcomes the player.







If you click on a "www" item (like the one highlighted below), you will be redirected to an external website in which you can play additional short games that will not sum up additional scores. These games are not compulsory to complete the city/area.











Click on the "back" button to go back to the Naturia map.

Before the minigame starts, a brief message will show up in the screen in which an introduction, an explanation of the game and how many points can be obtained, are presented. Click "Ok" to start the minigame.







The five types of minigames that can be found at each area are the following ones:

<u>1. Quiz with image</u>: Each quiz includes 5 questions from which you have to choose the correct answer out of four possible answers. There is only one correct answer. Each correct answer adds up 2 points



<u>2. Drag and drop:</u> Match the pictures with the right description. Each correct answer gives 2 points.







<u>3. True or false:</u> Choose "True" or "False" after a statement. There are 10 statements. For each correct answer, the player will earn 1 point.



<u>4. Memory:</u> find two elements that match with each other.







After finishing the minigame you will see how many points you have earned and some feedback from the guide you chose at the beginning. At this point, you can either save the points and show the results, or discard the points and try again anytime.







5. Decision tree: A brief scenario is presented and different possible actions are provided. You have to choose the most appropriate one.



In this case, opposite to the other types of minigames, when your answer is wrong you will have to start over from the first question.





When you complete a minigame you get up to 10 points. Therefore, when you complete all the minigames in the area, you get up to 40 points. When you complete an area, you earn a badge, which can be gold, silver or bronze. You get extra points for each badge. Gold: 35 points, Silver: 25 points, Bronze: 15 points.

The **final questionnaire (Lake Naturalia)** will include 20 questions with a mixture of multiple choice and true or false type of questions. Each correct answer will give 5 points.

The minimum amount of points that you will need to finish the game is 165 summing up areas and badges (from the first four areas) and 75 points (from lake Naturalia quiz).

LET THE GAME BEGIN!