Flooding

This game is part of a series of games created by the Games for Goals project.



Find the other mini-games on chemical pollution, drought, water

misuse, plastic pollution and more on:

www.gamesforgoals.eu



Co-funded by the Erasmus+ Programme of the European Union



Please share feedback on the game and help measure its impact!



https://tinyurl.com/GFG-impact-EN



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Add this presentation card to the game materials!

Printing instructions

Print all pages double-sided (flip on the short side).

- Pages 5 and 7 form the main board so attach them together.
- Fold pages 13, 19, 21, 25, 27, 31, 33 and 39 in two, along the dotted lines, and staple only those where indicated (on the reverse side).
- Cut the cards (or tiles) on pages 9,11 15, 17, 23, 29, 37 and 41. Follow the instructions carefully throughout the document.
- Place the cards in the corresponding envelope you have just made.
- Place the 'Enigmas' solutions cards and the 'Be logical' solution on the solution sheet.

Be careful not to cut across the boards! Follow the instructions carefully to know where to cut around each tile or square.

> When you're ready, fold this sheet so that these instructions are on the inner side and add this presentation card to the game materials.



- The pupils share their reflections about the causes of flooding.
 - The pupils think about how to reduce flooding.



- A board
- A weather die
 - 35 water tiles
- The items for each task
 - A start card



- Put the board in the middle of the table.
- Distribute 30 water tiles across the squares on the board.
- Keep 5 tiles aside.
- Put the item for the tasks next to the board
 - Put the start card face up next to the board

🐳 On the 'Be logical' task you can have some tiles already in place if it seems too difficult for the children.







During the game, pupils will try to help to reduce the amount of flooding

the river are no longer flooded. The objective is to remove water tiles from the board so that the areas around

For each successful task, they can remove water tiles

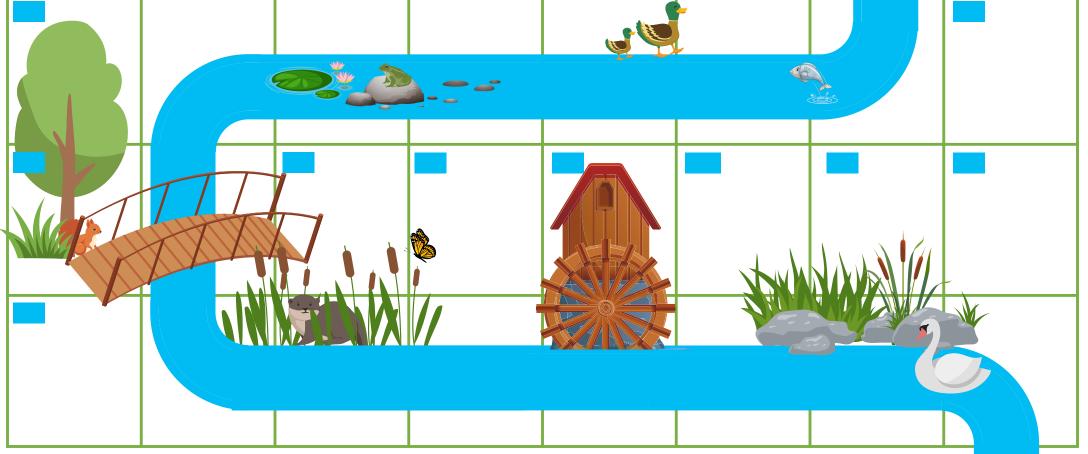
They must try to complete as many tasks as possible to reduce the flooding

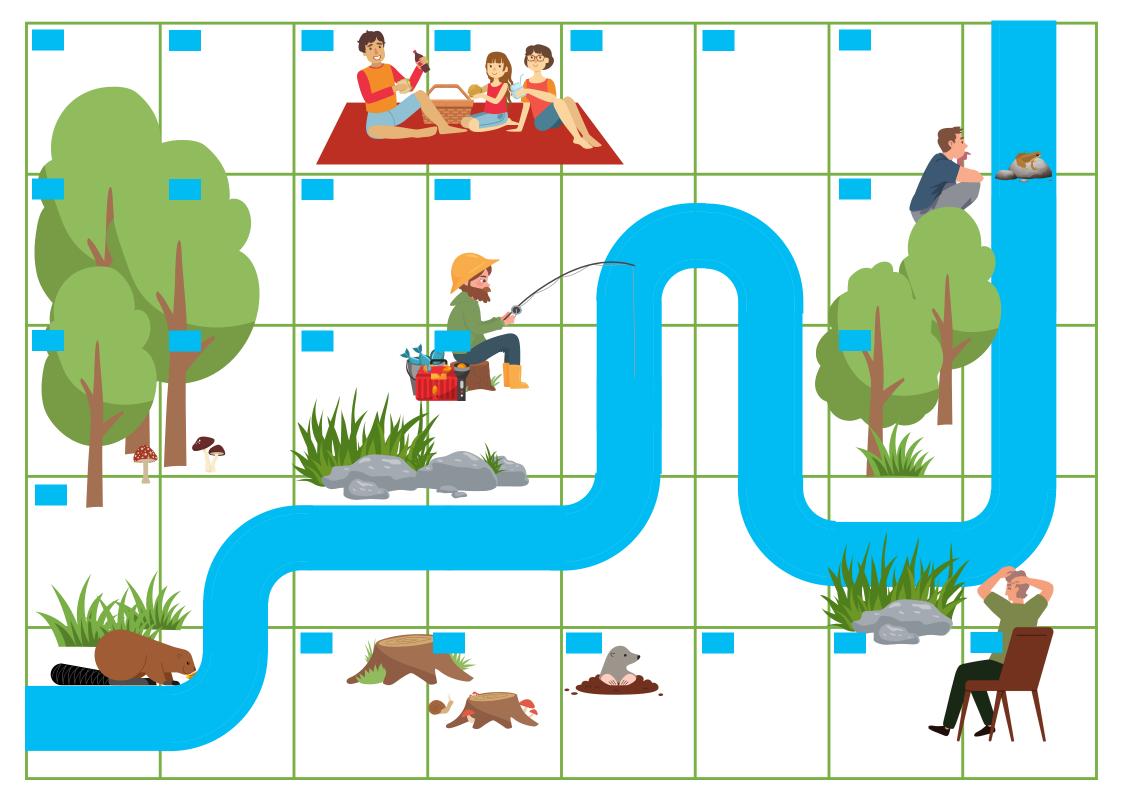


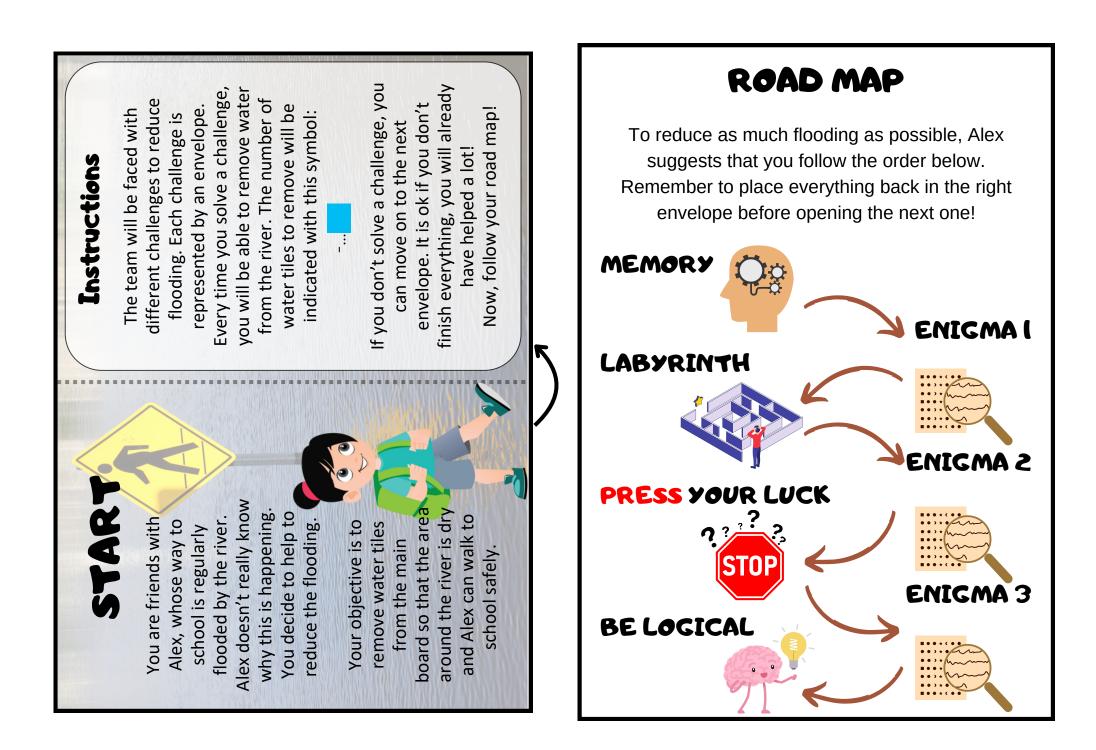
- What is the main problem in the village?
- What are the causes behind this problem?
- What solutions did you find?
- What solutions did you find?
- What daily activities cause flooding?
- What can you do to help to reduce flooding?
- Why is this important?

AQUA HEROES







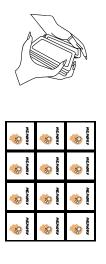


This page is here so that you can print the whole document double-sided.

Water tiles: cut around each tile, and place them on the main board

This page is here so that you can print the whole document double-sided.

Shuffle the cards and place them as shown below. The youngest person starts, then turn clockwise.

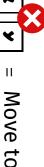


find the common symbol, because the two cards in a pair are not exactly the same! In turns, flip over two cards so that the whole team can see them. Look carefully at the cards to



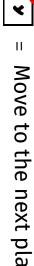
If the two cards do not match, turn them face down again and the next player can try Once everyone understands the relation to flooding, remove the cards from the game and If the two cards form a pair, explain the difference between the two cards! remove a water tile from the river. Well done, you have reduced the flooding!







Move to the next player

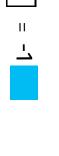










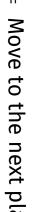








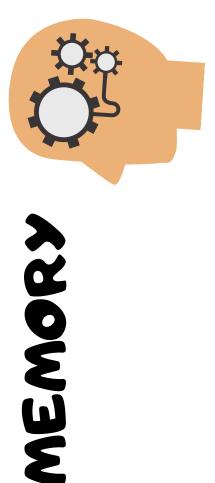












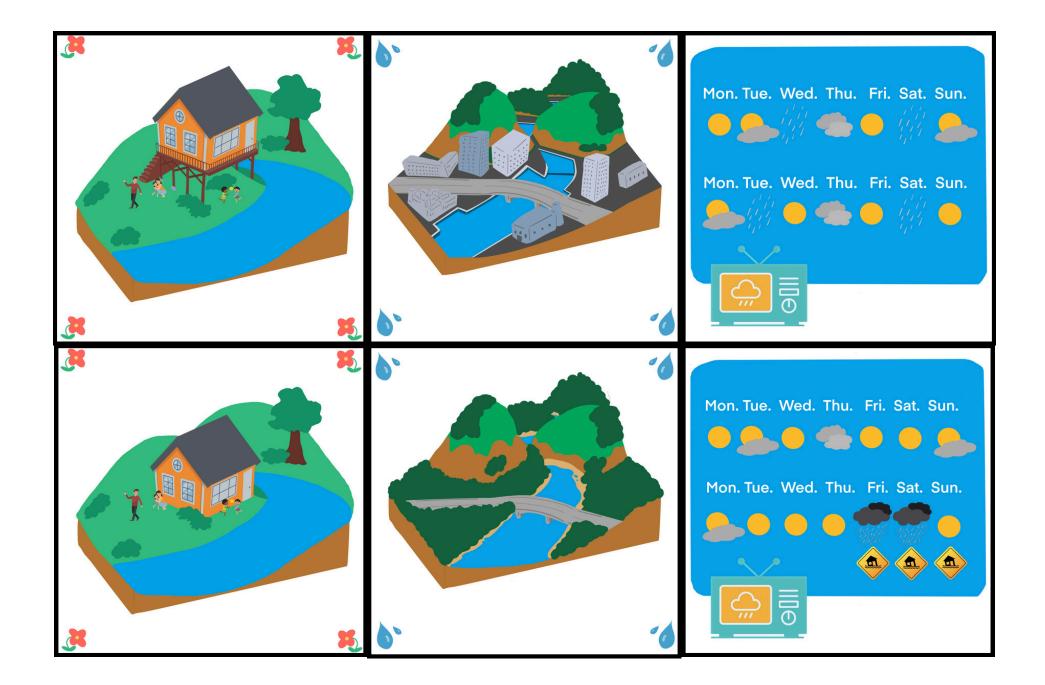
Feet in the water: will you be able to memorize the maps and find what makes flooding worse or how to limit it?

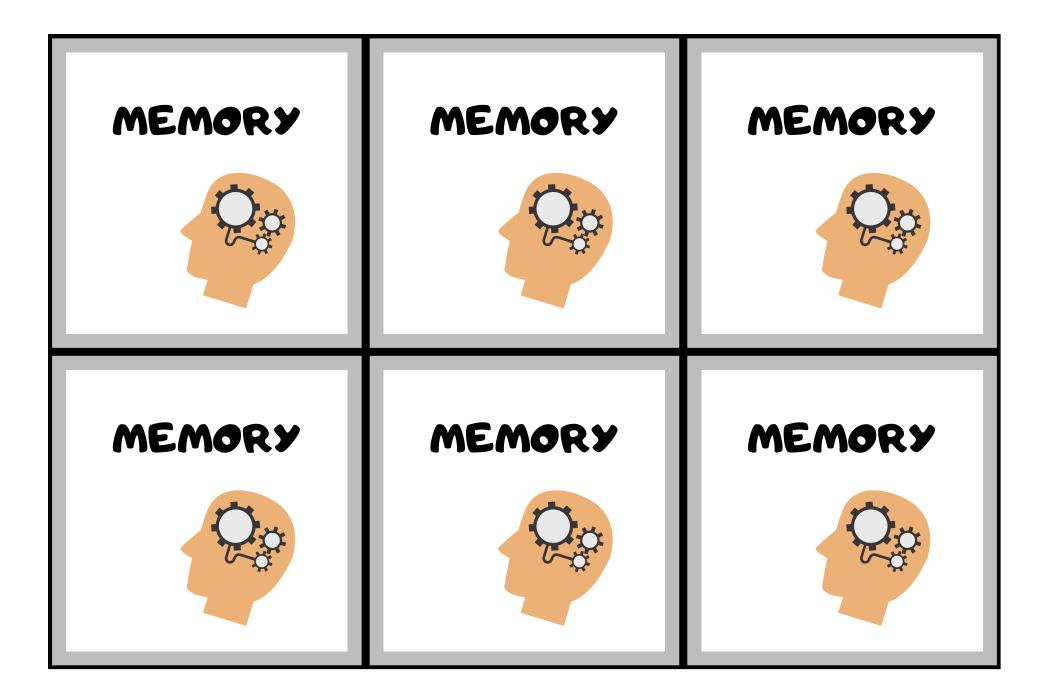




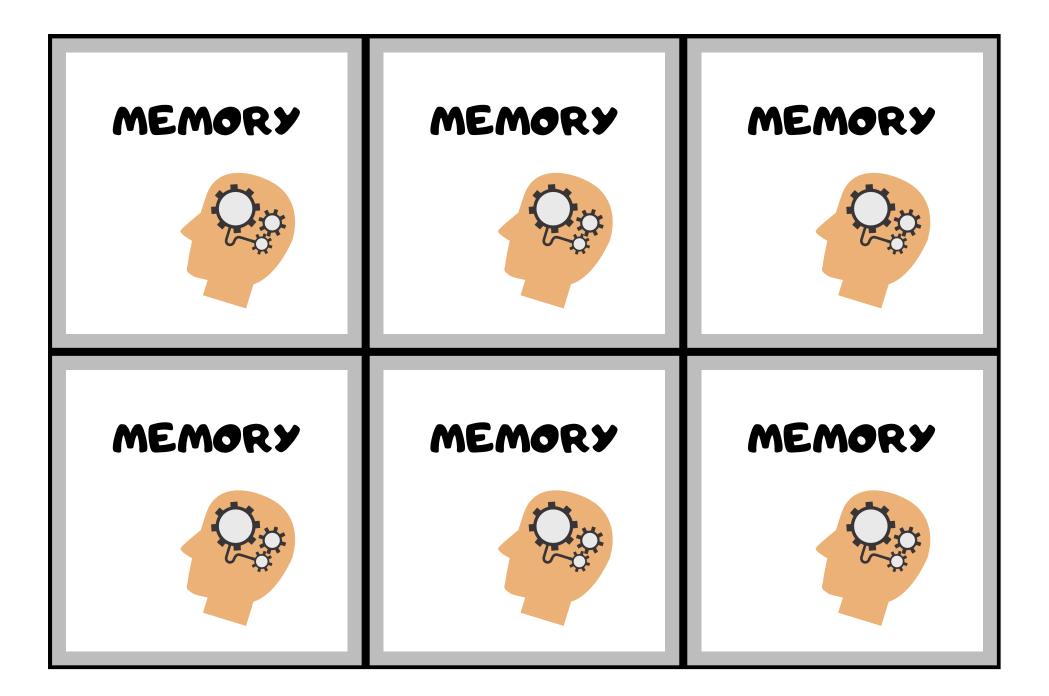












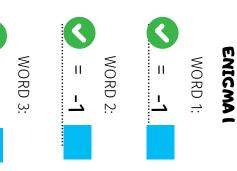
how to reduce the flooding. Your goal is to decipher the coded message and find out

check the solution! When you think you are ready, or if you are blocked,

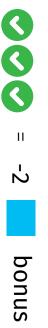
board. For every correct word, remove one water tile from the

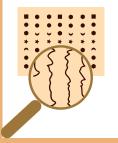
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If the whole message is correct, remove two extra bonus tiles!





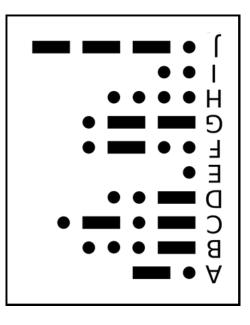


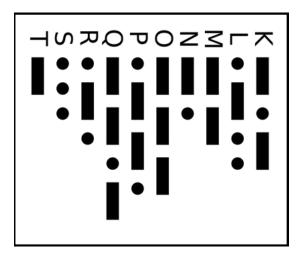
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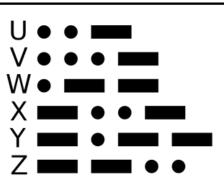




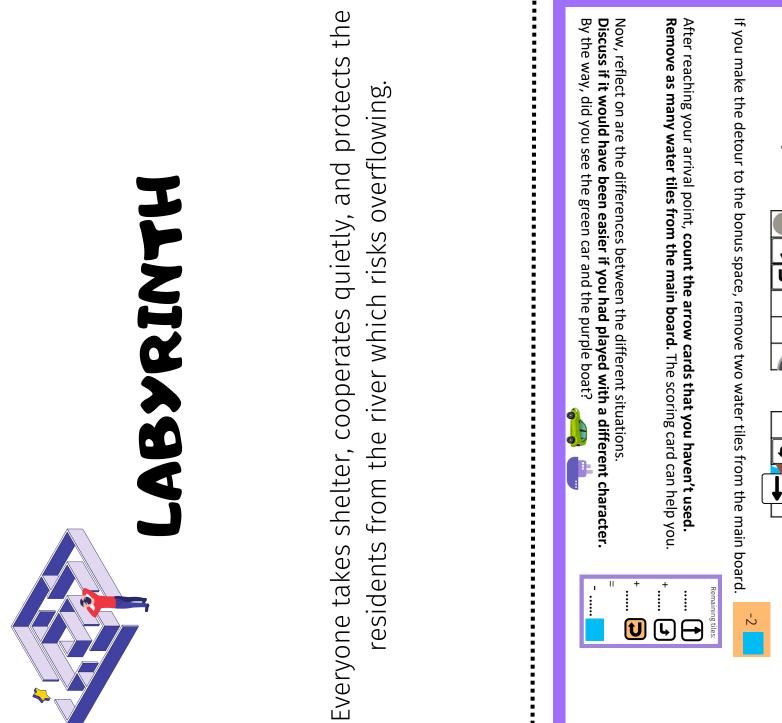




USE THE ANSWER SHEET TO WRITE THE WORDS YOU FIND!



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Your goal is to avoid the flooding and reach a safe point. Choose ONE of the characters to play with:





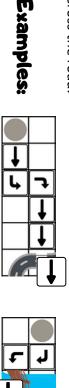




Take the pawn of your choice and place it on the corresponding starting square.

Spread the arrow cards randomly around the players. The youngest starts, then turn clockwise

When it's your turn, **place the arrow of your choice on the board to create a path for your pawn.** There can't be any gap in between arrow cards! You need to use a bridge to cross the river, and a pedestrian crossing to cross the road.

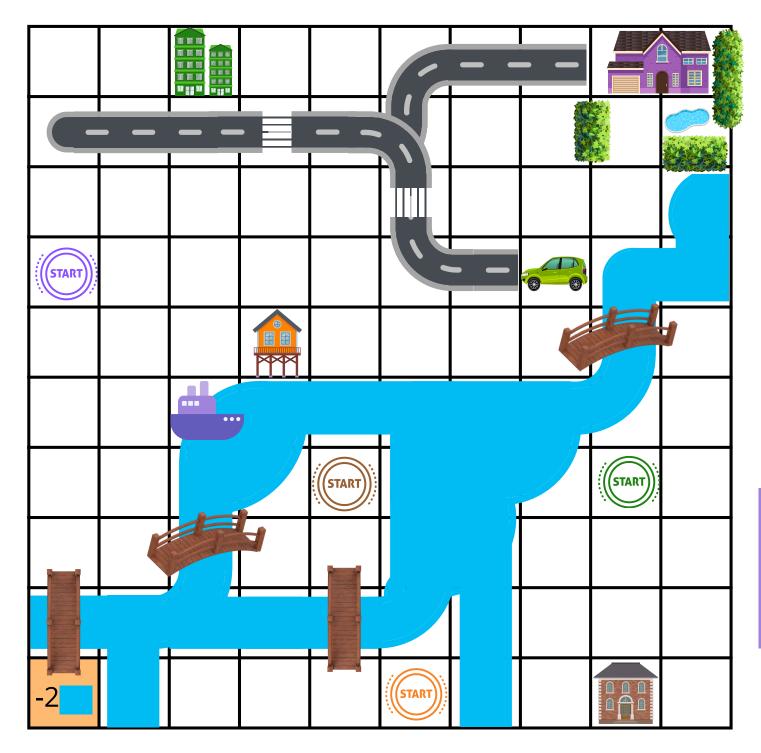




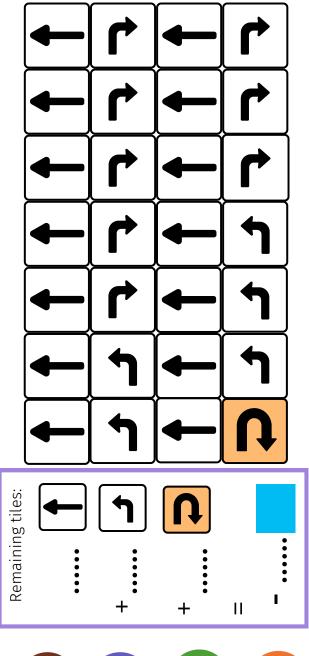








Cut around each arrow tile.





CUT AROUND THE RED LINE

FLIP OVER WHEN STARTING THE FOLLOWING TASK:



Cut around this card



LABYRINTH

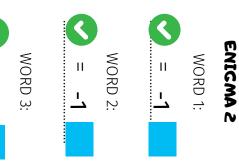
how to reduce the flooding. Your goal is to decipher the coded message and find out

check the solution! When you think you are ready, or if you are blocked,

board. For every correct word, remove one water tile from the

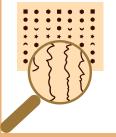
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If the whole message is correct, remove two extra bonus tiles!







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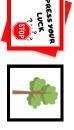
ENIGMA 2



5³-3²-8³-3²-5³-7⁴ to rise, flooding Climate **2³-4²-2¹-6²-4¹-3²** is causing 2³-6³-2¹-7⁴-8¹-2¹-5³ areas. sea

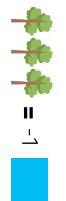
Did you know that forests can reduce flooding? Your goal is to plant as many trees as possible!

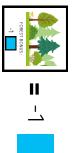
Draw a card and place it next to the pile. Take the deck of tree & water cards, shuffle it and place the pile face down.



You are allowed to remove a water tile for each set of 3 face-up trees.

for the rest of the game. water tile from the main board, and continue playing. The trees on the forest card do not count To help you, there are also 'forest' cards which allow you you to immediately remove a bonus

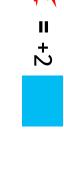




If you reveal the following cards, add the corresponding number of tiles to the main board But, be careful! If you don't stop in time, you will face storms that will increase the flooding!

























as possible, but be careful, if you take too many risks,

trees

you risk being flooded!

Operation Plantation! It's up to you to replant as many

PRESS YOUR





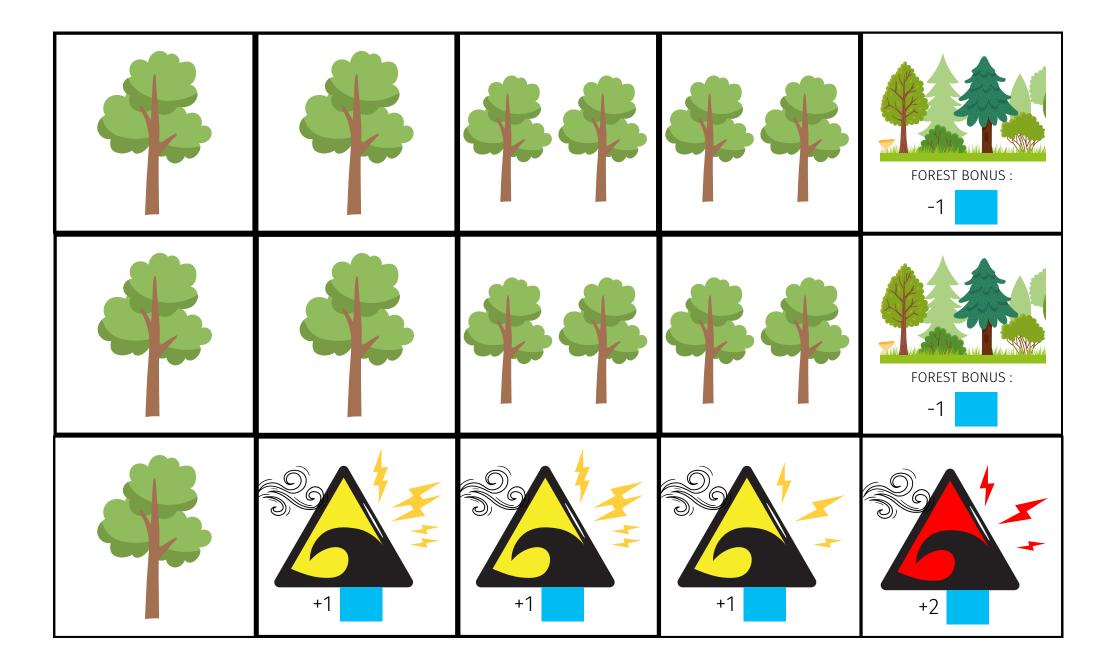
It's up to you to decide when you want to stop.









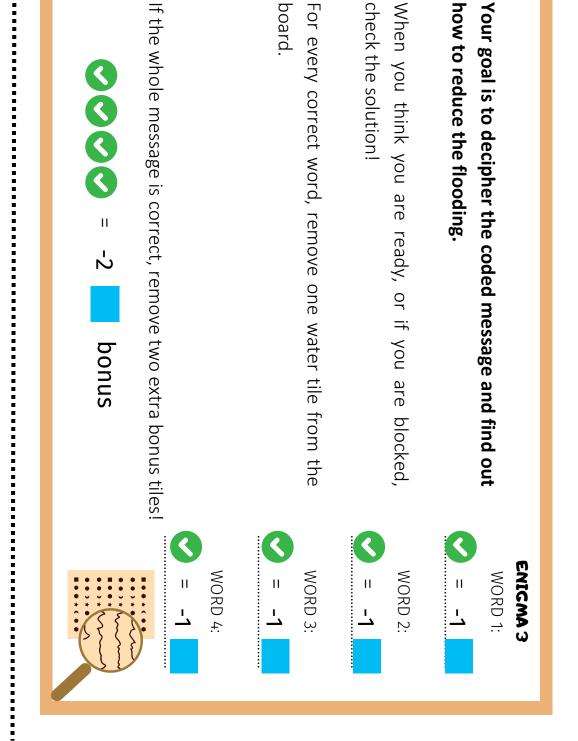








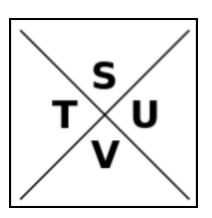
You have a new message: Crack the secret code to understand where the floods are coming from



board.

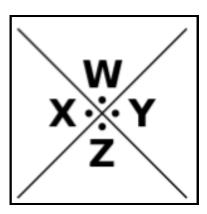
רשם areas, אש⊃םר can no longer Due to the **COLFOIVO** in VEJU into the ground.

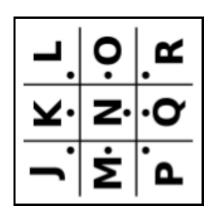
USE THE ANSWER SHEET TO WRITE THE WORDS YOU FIND!

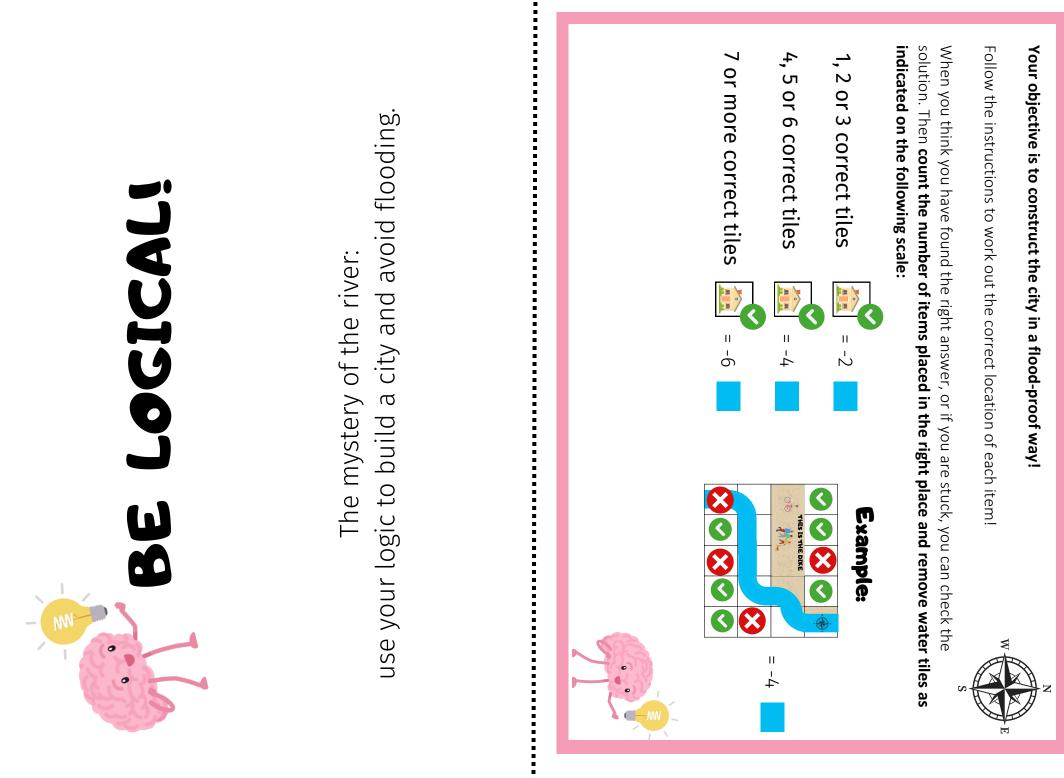


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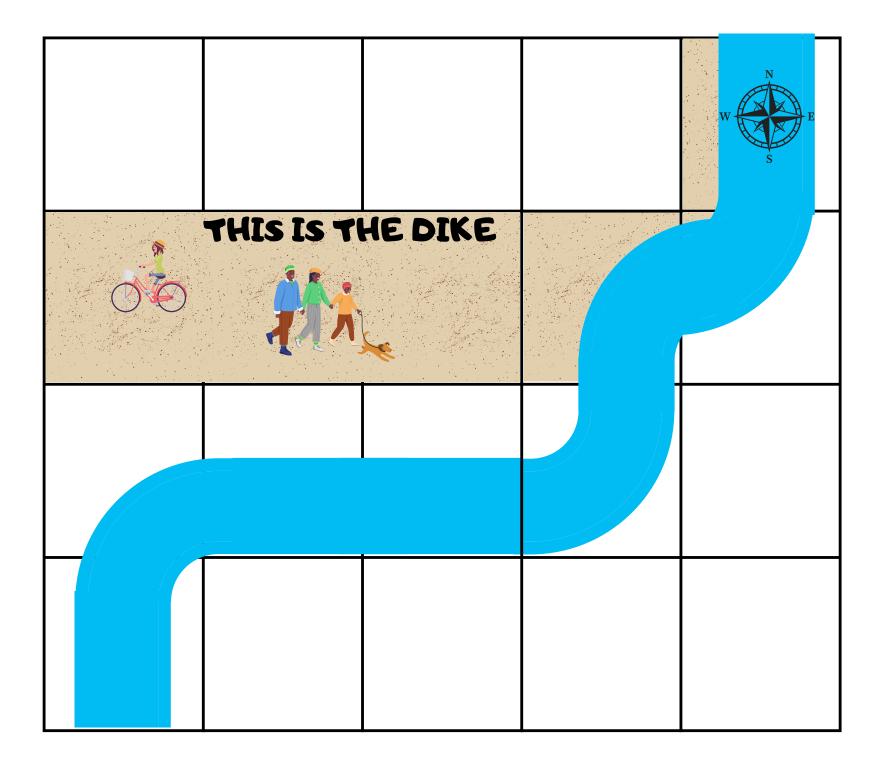








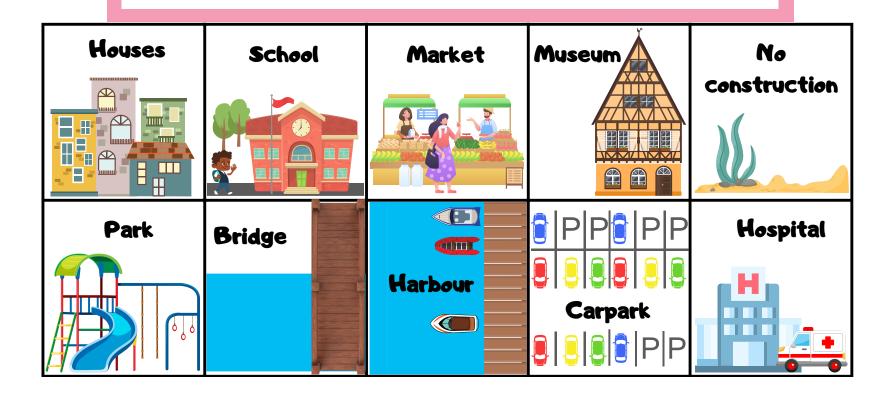




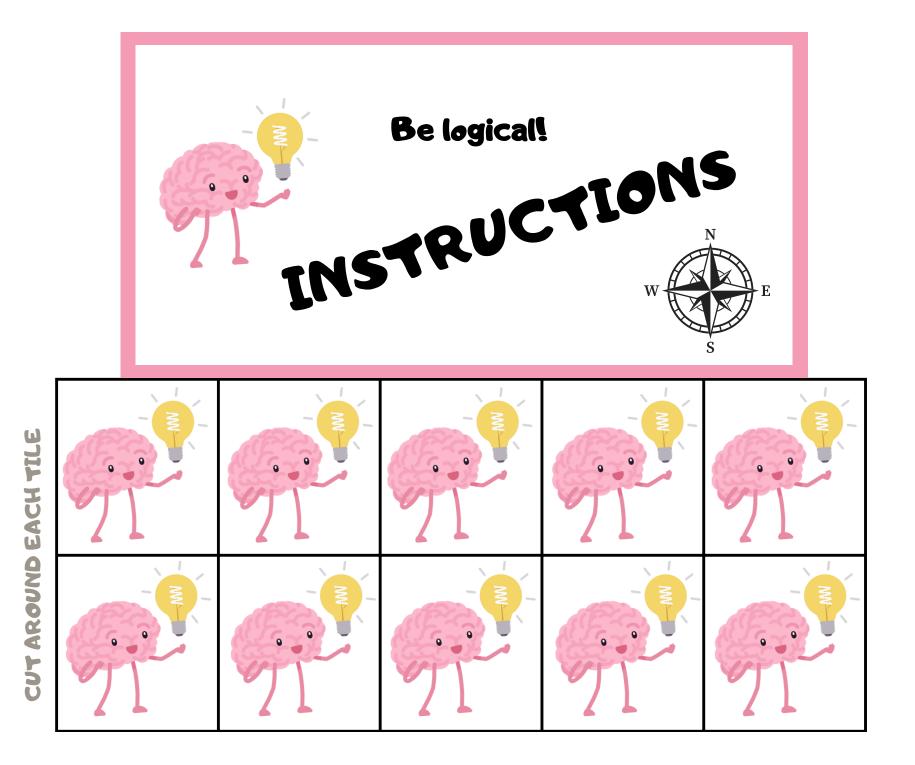


Instructions :

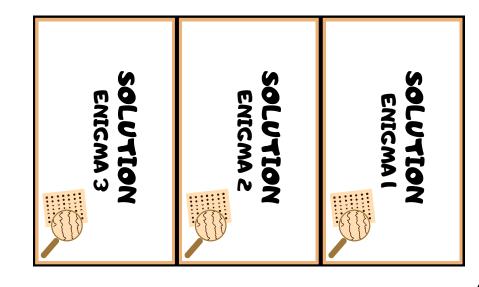
- the park is to the south and west of the city
- the hospital is located further east than the park
- the hospital touches the river only at an angle
- the carpark is between the harbour and the hospital
- the museum is opposite the carpark from the river
- the bridge connects the harbour and the dike
- the market is opposite the bridge
- the houses are not next to the market but on the same river bank as the museum
- the school is to the east of the houses
- nothing is built east of the bridge

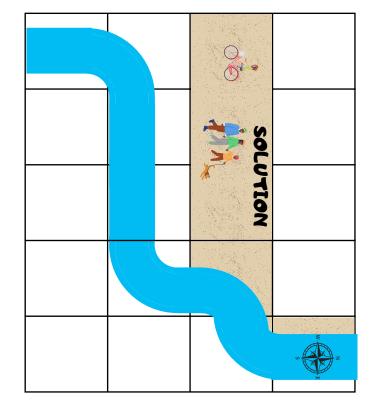






Content :







Solutions



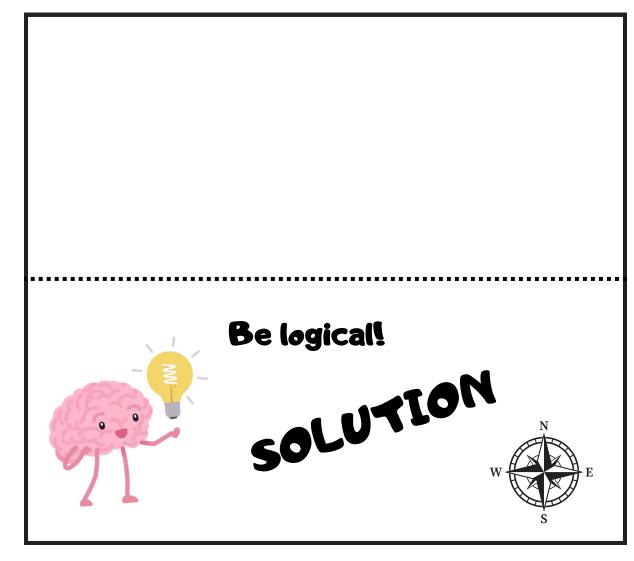






Houses	School	Market	Museum () () () () () () () () () ()	N	SOLUTION - ENIGMA 3 Due to the increase in urban areas, water can no longer soak into the ground.	SOLUTION - ENICMA 2 Climate change is causing sea levels to rise and flooding coastal areas.	SOLUTION – ENIGMA (Climate change is causing heavier rains which are making flooding worse.
	Park	Bridge		No construction Hospital	SOLUTION ENICMA 3	SOLUTION ENIGMA 2	SOLUTION ENICMA I

Do NOT cut around every tile.



Fold the solution board so that it fits in the solution envelope!

