Level Design POrtal2
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## Intentions

For my portal map, I chose to use a single level and 3 rooms within it, with an increasing difficulty between each. My main ingredient is the Excursion Funnel. I propose a use of it focused on player movements and cube/sphere movements within the game space.
I consider that the player masters the basic controls, the jump, the portals and their behaviors, including with objets and flux.

My first room is made to push the player to learn and use the excursion funnels and their navigation potential. The player is also warned about the Goo, which is the only danger and penalty in the whole level, but I prevent his fall with glass panels. I also tease the use of cubes, sphères, weighted storage receptacle, cube/sphere pipelines and foldable platforms.

In the second room, I let my player practice the excursion funnel movements through the room. The use of it is mandatory to reach the exit of the room, and the use of cubes, spheres and weighted storage receptacle for both too. All the ingredients, main or secondary, are now used and the goo is now a real danger.

In the third room, I test the player abilities and mastery of the previous mechanics to complete the level. I focused the room on player reflexion to win. No other ingredient are added.

## Level Layout

Here is a preview of the whole level. The first room (1) is splitted in two parts, the second (2) and the third room (3) are both a full open space.



In the second part, the player will have to complete basic cube puzzles (optional) and use an excursion funnel (mandatory) to reach the end.



If the player is efficient, he doesn't needs to put a step on the floor to cross the second part.

## Second Room Layout

In the second room, the player enters form the left (1) and has to reach two foldable platforms on the right (4) to succeed. Most of the room is covered of goo, and some sort of checkerboard is set up on the floors and walls to test the player ability to use funnels and move across the room and move objets with it (mandatory). The player has to activate a first weighted storage receptacle with a cube (2) that activates a sphere spawn pipeline, and then use a sphere (3) to activate the two foldable platforms (4). These are mandatory to leave the room and reach the third one. The two islets in the middle of the room also serves as chill areas to the player.


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## Second Room Challenges

Here is a perspective view of the second room. The challenges markers are the same.




## Level Patterns

Here are the patterns structures I used in this level. They mostly respect the «teasing, learning, practice and master » method.

1) Room 1, part 1 :

Teasing : cubes/spheres, objects/funnels behaviors, goo. Learning : Excursion funnels behaviors
2) Room 1 part 2 :

Teasing : cube/sphere/ weighted storage receptacle interactions, foldable platforms.
Learning : cube/sphere/ weighted storage receptacle interactions $\rightarrow$ foldable platforms. (optionals)
3) Room 2:

Learning : objects/funnels behaviors, goo, cube/sphere/ weighted storage receptacle interactions $\rightarrow$ foldable platforms. (mandatory now)
Practice : Excursion funnels behaviors, objects/funnels behaviors, goo, cube/sphere/ weighted storage receptacle interactions $\rightarrow$ foldable platforms.
4) Room 3

Master : All.

