

# Changelist

Date	Description	Author		
November 4, 2023	Removed all hope of physics dependent puzzles because UEFN removed simulate physics option ••			
November 4, 2023	Playtesters wouldn't understand where to go from spawn to the first part of the level. Changed player spawn to inside the first stage			
November 10, 2023	Playtesters were holding down a movement button while in the wind tunnel meaning they could exit it at any moment and not be able to get back in. Changed wind tunnel to a grind rail so players know to stay on.			
November 17, 2023	Changed main mechanic in village level to impulse grenage			
November 20, 2023	Added more jumping/platforming challenges to the start of level	Grace		
November 21, 2023	Changed layout of shotgun introductory section	Grace		
December 4, 2023	ember 4, 2023  Player didn't take in the environment before proceeding and came to the conclusion that he had to jump to the middle platform.  Extended starting path so it takes up a little more than one third of the screen when the player sees the first section and the path clearly leads in that direction			
December 4, 2023	Players would go at full speed on the grind vines and end up launching too far off the platform. Changed the vine so it is continuous and doesn't have any premature jumping challenges.			
December 4, 2023	The "marble course" inspired section is impossible, the metrics are off and the player could not get past this area. Transformed the whole area to be way more streamline and more of a prop gun scenic moment than a platforming challenge.			
December 10, 2023	10, Added some one point lights in prop area so player understands where to go and where is just for fun			

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## Story

May realizes that she needs to spend some time apart from Cody and uses this time to rekindle her relationship with her daughter by revisiting one of her favourite books, thus realizing how hard it is to manage being two parents at once.

The player (May) appears at a mountain clearing just on the shore with the cast endless ocean just behind her. She moves forward and is met with rocks that she realizes she can jump on top of but some are too tall to jump to, she will need to vault. Going up a couple of rock platforms, she's met with a view of a canyon of sorts filled with random enlarged knick knacks with a single moving platform and a path to the left directed by a sign. She proceeds through the path where there seems to be obstacles obstructing her way but she already knows her athletic aptitude enough to know she can jump over it easily. She then comes back around to the canyon and she already knows that she is capable of jumping to this next moving platform over the tall drop. She is then met with more jumping challenges and pistons she has to avoid until she sees a tunnel. May is too tall to fit into the tunnel but fits perfectly when she crouches. As May maneuvers herself around the tunnels, there are various openings where her jumping skills will be tested once again.

She leaves the tunnel and is met with a cave room with toxic water at the bottom. A **shotgun** can be seen on this platform across the water, too high to jump to and a set of stairs lead to an opening obstructed by piles of wood. She realizes there is also a **moving platform** to the left and she traverses various obstacles until she gets a hold of the **shotgun** and destroys the **wooden obstruction**. Through the opening there is more of that toxic water, there's some **moving pillars** just like the ones from the canyon earlier. She **jumps** onto them and they lead to a lilypad that **launches** you in whichever direction you are facing or going. She **jumps** onto the lily pad and **launches** over to a bigger one and then onto a platform with more wood that she takes down with her new shotgun.

May runs up to the platform and sees something: a predator! She has a shotgun so she figures she can protect herself and shoot the predator. After the predator dies she sees what was behind it and it was some vines. The moment she touches the vines she is sent gliding along it in a spiral to the top where it is clear she needs to shoot this wooden obstruction in her way. Jumping off the vine brings her to a loft filled with objects that are way bigger than they should be and some that are way smaller. There, she finds a different gun. Through fiddling with it, she realizes it is a prop gun that turns her into whatever she aims the gun at. She then destroys the obstruction and realizes the opening is too small, she has to transform into a small ball on the chair to fit through.

May then enters an area with many sweets, paintings, and pretty things. She goes on a grind vine that tours the area and it leads her up to a shooting range for practice. After she's done playing in this prop playground, she goes up to the door that she's supposed to proceed through and once again, she needs to transform into a ball. Staying as a ball, she goes through these pipes that lead to a section once again above some toxic water. It appears to be some sort of marble course with rings just big enough for a ball to fit through. At the end of the course, she jumps to a wind tunnel and it sends her over to where there are more grind rails and many predators. She shoots the predators and jumps onto one of three grind rails in front of her as she tries not to get obstructed by an exploding flower in her path or a decrepit house on the side of the mountain.

At the end of the vines there is another house on the side of the mountain but it's bigger and obstructed by wood. Entering in, she is met with an impulse grenade and a hole in the roof that is too high to vault over. She uses the impulse grenade to launch herself through the roof. She then gets a view of the next section she is about to enter: a vertical village with houses at the side of the mountain. There are puzzles inside the gnome houses that help her move from one to the other without falling into the toxic water beneath. The puzzles involve using the impulse grenade as well as transforming into balls and shooting obstructions.

Leaving the final house, there is another wind tunnel that brings her to a level where she is able to glide through 2 rings that lead her to a rock at the side of the mountain. **Jumping** on top of the last couple of **jumping** and vaulting challenges now at a drop height never seen before, she gets to the peak and there are wolves waiting for her, predators she needs to protect her daughter from. She **shoots** them all and is rewarded with a view of her chaotic and mountainous journey up.

## **Reference Material**

### Story



The story is meant to be an alternate universe of the game It Takes Two where May doesn't get back together with Cody and instead, takes some time to herself and tries to rekindle her relationship with her daughter, Rose, in the top right. Because a lot of the feeling of It Takes Two comes from the grandeur of being a tiny doll in an enlarged world like in the bottom 4 images, a lot of the architecture and environmental pieces will be supersized to match it.

## Setting/Environment

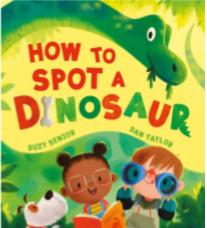
















The environment is based on fantastical story books and will traverse through a cave, the water, a gnome village, up a mountain and will basically emulate a child's imagination. This means there will be ice cream, dinosaurs, beasts, trees, and other random objects, like seen in these picture books, strewn about the level that help with the architectural composition and also evoke that randomness in a child's mind.

### Character



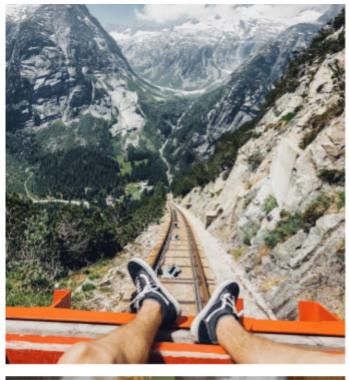






The player is going to be May from It Takes Two except now she is on her own with the tasks of two parents. See here the moms from The Babadook and Sex Education reading to their kids and suffering.

## Feature











The feature will be during the mountain exterior biome where there will be a gliding section jumping challenge and will feel similar to the alpine coaster and like the glider in Tale of Two Brothers.

## **Program**

## Gameplay Program

### 1. Walking

#### 2. Jumping

- Jumpable distances
- Vaultable walls
- Moving platforms
- Over obstructions
- Over exploding flowers

#### 3. Crouching

Tunnels

#### 4. Transform

- Prop-o-Matic
  - o Transform into small props to fit in small spaces

### 5. Shooting

- Shotgun
  - Shoot to break obstacles obstructing doors to next area

#### 6. Launch

- Lily Pads
- Mushrooms
- Impulse grenade
  - Use impulse grenade to launch to higher platforms

#### 7. Grind

- Grind Vines/Rails
  - o Feel like a coaster up the mountain

#### 8. Static Hazards

- Path obstructors
  - Wood
  - Houses

#### 9. Moving Hazards

- Wolves
- Pistons

#### 10. Checkpoints

Progression & path direction











### Narrative Program

#### Canyon

- Left elbow path —Teach walking and jumping on platforms, pillars, walls, moving platforms
  - —Test jumping to moving platforms over canyon
- Right Elbow path —Avoiding crushing pistons
- Tunnel Opening —Teach crouching
  - —Test jumping to platforms

#### Cave

- Shotgun room —Get shotgun and teach shooting at wooden obstruction
- Cave pond —Test jumping on static pillars and moving pillars
  - —Teach jumping on lily pads and launching up
  - —Test jumping on lily pads and launching in specific direction
- Predator room —Encounter enemy from a safe distance and teach shooting at moving target
- Vine spiral —Teach grinding on a vine
  - —Test shooting at wooden obstruction while in motion

#### **Princess Loft**

- Prop gun room —Get prop gun and teach transforming into different sized objects
  - —Tests transforming into a small ball to fit through small crack
- Prop Playground —Teach jumping on mushrooms and being launched
  - —Test transforming into ball to get through small opening

#### **Marble Course**

- Challenge moving and jumping through small rings —Teach wind tunnels and gliding to specific platforms
- 3 predators —Test shooting moving targets
- Grind rails —Teach jumping from one grind rail to the other grind rail
  - —Teach grind rail obstructions such as exploding flowers and abandoned houses

#### **Gnome Village**

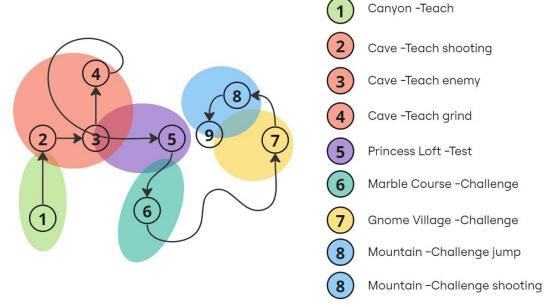
- First house —Get impulse grenade and teach getting to higher platforms by launching
- Vertical Village houses —Challenge transforming into ball from house across the chasm to fall through tight holes
  - —Test using impulse grenade to launch to higher platforms

#### **Mountain Peak**

- Wind tunnel —Test using glider after wind tunnel to glide through rings to make it to a specific platform
- Cliffside —Test jumping and vaulting up platforms
- Peak —Challenge shooting predators

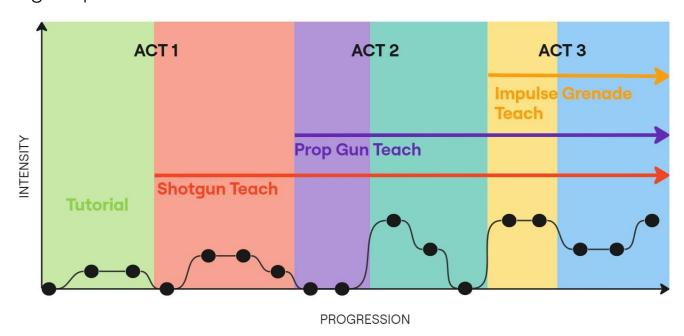
## **Diagrams**

## Checkpoint Flow Map



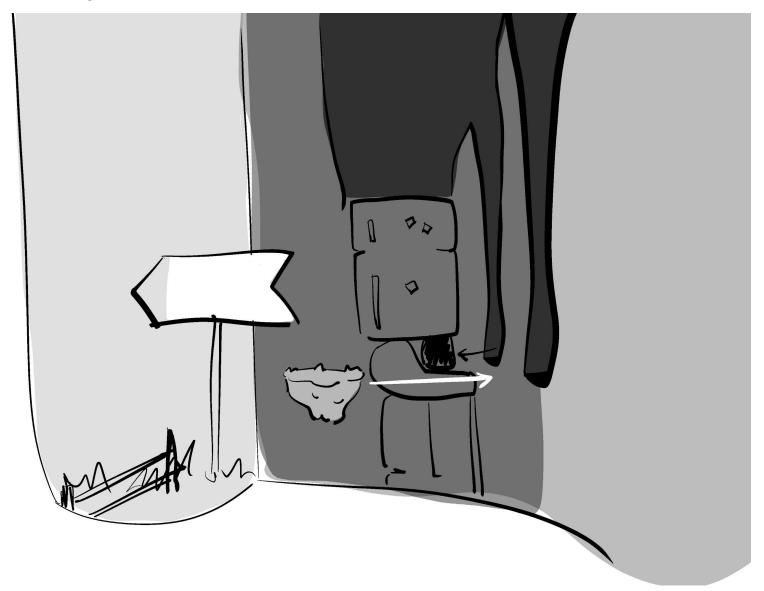
Bubble flow map of checkpoints in the level —documenting the regions they are in and the functionality of the section in the greater gameplay flow.

## Pacing Graph



Pacing chart showing the intensity levels of important gameplay beats, at which stages item related mechanics are introduced, and their roles in the progression of the game. The chart is showing how there are sufficient moments of rest and a slow progression for easy level gameplay.

## Parti Diagram of Canyon

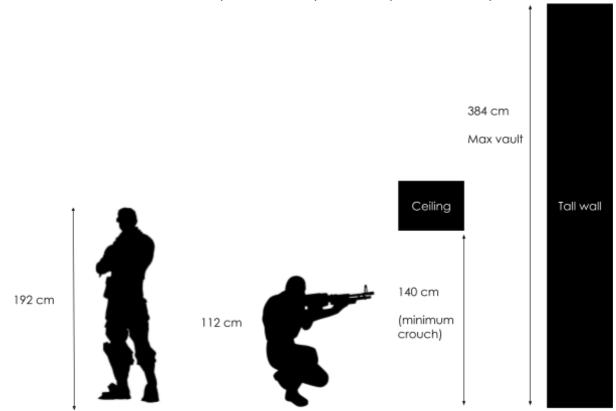


Parti diagram of canyon in tutorial level showing the foreground, middleground, and background of the first section of gameplay the player will see going into the level. This sketch shows how the player will perceive the level from the start and how it will direct their eyes to where they will go, what they will see up ahead, and what they should prepare for. Specifically the player's eyes are guided to the left where they are headed but see that further ahead there will be a moving platform they have to jump on to and a hole they will have to crouch in

## **Metrics**

### **Character Metrics**

Standard Fortnite Metrics: 1 uu (Unreal Unit) = 1 cm (Centimeter)

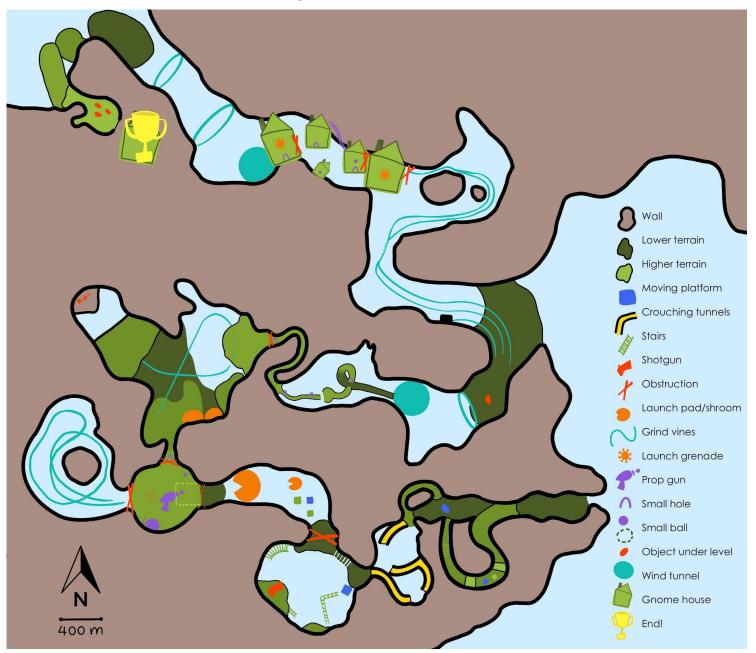


## Object Metrics

Object	Height (cm)	Canyon	Cave	Princess Loft	Marble Course	Gnome Village	Mountain Peak
Fence	70	1					
Pillar	230	1	3				
Vault Wall	384	1					
Tunnel	140	1					
Prop Ball	60			2	2	3	
Impulse Wall	500					2	

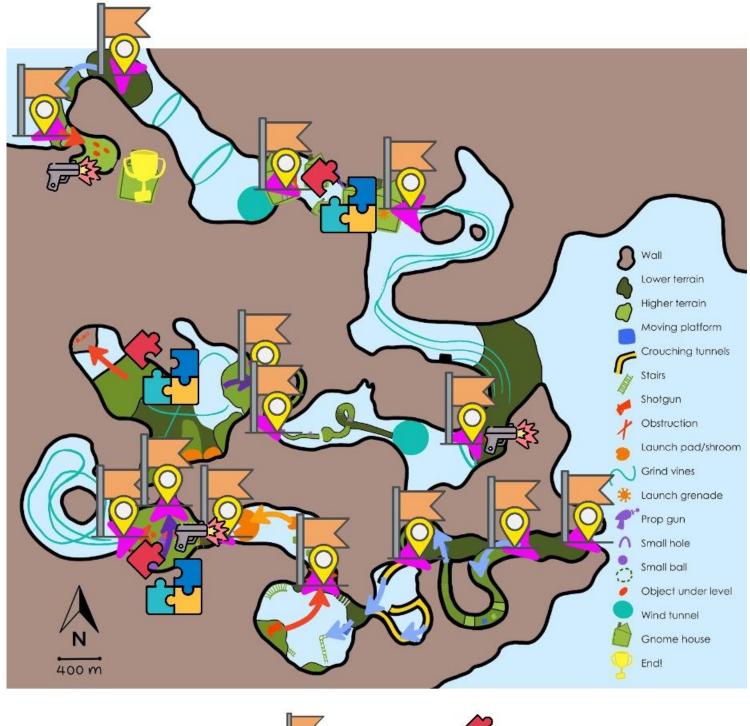
# Map

Map of Entire Level Documenting Key Features



Map of entire level documenting where key features are found in the level and their relative location to each other.

# Gameplay Map





# Schedule

Requirement	Date	
Project intentions	Sept. 14, 2023	
It Takes Two case study	Sept. 21, 2023	
Functional Playable Playground	Sept. 28, 2023	
Level Design Document Work In Progress	Oct. 12, 2023	
Diagrams / Maps	Oct. 19, 2023	
Playable Greybox	Oct. 19, 2023	
Level Design Document Update	Nov. 23, 2023	
Markups	Dec. 7, 2023	
Level Design Document Final	Dec. 14, 2023	
Final Playable Level	Dec. 14, 2023	