ENTERTAINMENT

CORAL QUEST: A JOURNEY OF REEF CONSERVATION

Revision #1.0
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DIGITAL EXPLORATION ROOM	
Guests gather in this room to explore while waiting for the main experience.	
AUDIO: OCEAN BACKGROUND AMBIENCE	
Interactive touchscreen displays and large-scale projections create a 360-degree underwater realm to explore.	
AUDIO: PRE-SHOW ANNOUNCEMENT	
	VOICEOVER Hey there, ocean explorers! I'm Reef Ranger Ray, your guide to the underwater world, and our splash-tastic adventure is about to begin in just a wave's moment!
LIGHTING: LIGHTS DIM	
DISPLAYS: DIM TO BLACK	
TRANSITION TO SECOND SHOW ROOM	
VIDEO: ANIMATED REEF RANGER RAY	
Reef Ranger Ray appears on the main screen, to talk to all Guests.	
	RAY Alright, sea stars, it's time to swim on over from our digital ocean to the reef lab, where your hands-on adventure in coral conservation awaits!
EFFECT: Doors open to the reef lab; Guests walk into the experience.	
LIGHTING: LIGHTS “BREATHE” TOWARDS REEF LAB FROM EXPLORATION ROOM	
Guests enter the hands-on workshop area, greeted by lifelike models of corals and a variety of tools for coral propagation.	

	DR RIPPLE Welcome, everyone! I'm Dr. Marina Ripple, and today, you're going to step into the shoes of marine biologists and help us in our mission to regenerate our planet's beautiful coral reefs!
Reef Ranger Ray follows Guests from the exploration room, into the lab.	
VIDEO: REEF RANGER RAY	
	RAY And I'm here to make sure we have a swimmingly good time doing it! Get ready to dive deep into the world of coral care!
Guests are now at their designated lab positions.	
	DR RIPPLE First up, we're going to select our corals for propagation. Remember, choosing healthy corals is crucial for a successful reef restoration.
LIGHTING: Lights brighten then dim over all three Coral Specimens at each lab position.	
	RAY Ooh, it's like a coral casting call! But remember, we're looking for star quality in health and resilience.
LIGHTING: Lights brighten over Coral Specimen A at each lab position.	
	DR RIPPLE Exactly, Ray! Let's examine them. Specimen A, as you can see, is clearly unhealthy - its color is faded, and it shows signs of bleaching, which is a stress response to unfavorable conditions.
LIGHTING: Lights darken over Coral Specimen A at each lab position.	
	RAY Yikes, that one looks like it's seen better days. It's like me after a week without sunshine!
LIGHTING: Lights brighten over Coral Specimen B at each lab position.	

	DR RIPPLE (*chuckles*) Right, Ray. Now, Specimen B and C are both viable options. However, Specimen B shows vibrant coloration and a robust structure, indicating good health and a high chance of successful propagation.
LIGHTING: Lights also brighten over Coral Specimen C at each lab position.	
	RAY And what about Specimen C, Dr. Ripple? It looks pretty good to me too!
	DR RIPPLE Indeed, Ray, Specimen C is healthy, but if you look closely, it's smaller and its growth rate seems slower. While it could be used for propagation, Specimen B's stronger health indicators make it the optimal choice.
	RAY Gotcha! So, we're looking for the coral that glows with good health, just like me on a sunny reef day. Specimen B is our superstar then!
LIGHTING: Lights darken over all Coral Specimens at each lab position.	
	DR RIPPLE Precisely, Ray. Choosing the healthiest coral not only increases our success rate but also helps ensure the resilience of the reef ecosystem we're supporting. Let's proceed with Specimen B for propagation.
Guests engage in coral fragmentation.	
	DR RIPPLE Now that our corals are selected, we'll move on to fragmentation. These tools will help us gently break the corals into many pieces, each of which can grow into a new, vibrant coral colony.

	RAY Hey, I've got a fin-tastic joke for you! Why don't fish like basketball? Because they're afraid of the net! (*chuckles*) Just like in basketball, when we're selecting corals, it's all about making the right picks!
Guests begin the process of fragmentation.	
	DR RIPPLE (*snickers*) Right, Ray! Now, let's use these tools here to carefully fragment the corals. Each piece we create has the potential to grow into a new coral colony!
Guests select and use their tools at this time.	
	RAY Like making a sea of mini-me's! But with corals. Be gentle, though—think of yourself as a coral hairstylist. Snip, snip!
	DR RIPPLE For hard corals, we'll need a coral cutter or a fine saw, and for soft corals, a pair of scissors will do the trick. It's crucial to make a clean cut to avoid stressing the coral.
Ray pulls out a set of scissors, showing Guests how to fragment their coral models.	
	RAY And remember, folks, it's not just about the cut—it's about where you make the cut. Look for the coral's natural branches; that's your sweet spot.
Guests now fragment their own coral specimens.	
	DR RIPPLE Fantastic effort, everyone! Next, we'll attach these coral fragments to frag plugs. These little platforms give your corals the best start in their new home.
Ray shows Guests a “frag plug”, a circular ceramic plate with a stick attached.	

	RAY Yup, think of these plugs as the VIP section at the coral party. Only the coolest corals get a spot. But really, every coral you've fragmented is the star of the show!
Dr. Ripple demonstrates attaching coral fragments to frag plugs with reef-safe adhesive.	
	DR RIPPLE Gently press the fragment onto the plug, ensuring it's secure. This moment is crucial for the successful growth of your coral.
	RAY Patience, my friends! Just like a watched pot never boils, a watched coral doesn't grow. Well, it does, but you get what I mean. Give it time and love!
Guests have now successfully attached their coral fragments to the frag plugs.	
	DR RIPPLE You've all played a vital role today in the future of our reefs! Thank you for your dedication and care. The corals you've worked with are a beacon of hope for our oceans.
	RAY Round of applause for you all! You've shown that with a little knowledge and a lot of heart, we can make a big splash in coral conservation. Keep up the great work, and remember, the ocean's counting on us!
Guests interact with simulated environments in their allotted “aquarium” simulators.	
LIGHTING: SPOTLIGHTS BRIGHTEN OVER AQUARIUMS IN FRONT OF GUESTS	
VIDEO: AQUARIUM SCREENS BRIGHTEN SO GUESTS CAN VIEW INSIDE	

	DR RIPPLE To ensure our coral fragments thrive, let’s put our corals into the aquariums in front of you, and simulate ideal conditions. Let’s start with the lighting. Corals require a precise amount of light for photosynthesis and growth.
LIGHTING: NIGHTCLUB-LIKE COLOR AND BRIGHTNESS CHANGES	
MUSIC: CLUB BEATS	
	RAY Totally! Imagine you're the DJ, setting the scene with perfect lighting for our coral party. It's all about creating that feel-good ambiance without overwhelming our coral guests.
LIGHTING: BACK TO NORMAL BRIGHTNESS	
	RAY Proper lighting is key to getting those corals in the groove!
LIGHTING: COLOR CHANGES TO RED AND BLUE AS DR. RIPPLE DISCUSSES TEMPERATURE	
	DR RIPPLE You’re exactly right, Ray! Now, let's talk about temperature. Our coral friends are quite sensitive to their thermal environment. Too warm, and they're under stress; too cold, and their health declines. Finding that sweet spot is essential for their comfort and growth.
LIGHTING: BACK TO NORMAL BRIGHTNESS	
	RAY Right, it's like ensuring our coral guests are vacationing in just the right climate. Not too hot, not too chilly. We're the climate controllers here, making sure everyone's having a warm, but not too warm, party time!
	DR RIPPLE Next up, let's dive into water chemistry. It's about striking the right balance of salinity, pH, and nutrients. Corals are gourmet chefs in their own right, needing specific water conditions to whip up healthy growth.

LIGHTING: NIGHTCLUB-LIKE COLOR AND BRIGHTNESS CHANGES	
MUSIC: CLUB BEATS	
	RAY Picture yourself as the party's mixologist, crafting the ideal water cocktail for our coral friends. A little calcium here, a pinch of magnesium there, and voilà—healthy corals! Adjusting these water conditions is crucial for the coral growth bash.
LIGHTING: BACK TO NORMAL BRIGHTNESS	
	DR RIPPLE Wow, you just love a party! With these adjustments—light, water chemistry, and temperature—we're crafting the perfect conditions for our corals to flourish. It's a team effort in coral conservation and reef restoration, emphasizing our crucial role in supporting underwater ecosystems.
	RAY That's the spirit! Thanks to your fine-tuning, our coral fragments are set to be the stars of the reef. Every adjustment you make is a step toward a thriving ocean home. Keep it up, and remember, every effort counts towards creating a healthier ocean for us all.
TRANSITION TO FINAL SHOW ROOM	
Dr. Marina Ripple and Reef Ranger Ray prepare the Guests for the final phase of their journey.	
	DR RIPPLE Congratulations, everyone! Your dedication and hard work have brought us one step closer to reviving the beauty of our coral reefs. But our adventure doesn't end here. It's time to witness the impact of our efforts in a larger context. Now, lets remove our specimens from the aquariums in front of you, we'll be bringing them along with us!

VIDEO: AQUARIUM SCREENS DIM TO BLACK AFTER CORAL MODEL IS REMOVED FROM EACH INDIVIDUAL AQUARIUM	
	RAY That's right, folks! It's showtime for your coral creations. Follow me, and let's make a big splash in the final room. Get ready for a bit of magic as we lift the curtain to the next chapter of our reef restoration story.
LIGHTING: LIGHTS DIM, LEAVING BRIGHTER SPOTLIGHTS ON THE EXTERIOR WALL TOWARDS THE FINAL SHOWROOM	
EFFECT: ONCE-HIDDEN WALL SLOWLY RISES, REVEALING FINAL SHOW SPACE.	
MUSIC: UNDERWATER SOUNDS WITH AMBIENT MUSIC	
Guests move from lab into Final showroom.	
LIGHTING: LIGHTS ARE DIMMED AROUND SHOWROOM, WITH FOCUSED LIGHT ON ROCK FORMATION	
	DR RIPPLE Here before us is a model reef that represents the challenges facing our oceans today. Though it may look distressed now, it's a canvas awaiting the transformative power of your contributions.
	RAY Gaze upon this scene, my fellow conservationists. It's a reminder of why we're all here today. But fear not! With your newly propagated corals in hand, we're about to turn the tide for this underwater community.
The Guests are now all in final showroom. Wall between both showrooms lowers.	

	DR RIPPLE This moment is a call to action, a vivid illustration of the difference we can make together. As you place your coral fragments onto this reef, you're not just participating in an activity; you're actively contributing to the health and recovery of our planet's marine ecosystems!
LIGHTING: LIGHTS BRIGHTEN THROUGHOUT THE ROOM	
Guests can now see the full immersive space and its surroundings of reef models.	
VIDEO: STILL CAMERA VIDEO OF REEFS SURROUND THE SHOWROOM	
	RAY Let's dive in with hearts full of hope and hands ready to heal. This reef's makeover is in your capable hands. Together, we're rebuilding a vibrant underwater world, one coral at a time.
Guests can place their coral models onto the reef base, in designated areas on the rock.	
PROJECTION: CORAL MODELS ARE PROJECTION-MAPPED TO DISPLAY THE MODELS COMING TO LIFE IN REALTIME	
	DR RIPPLE Each coral you place is a step towards a healthier reef. Your efforts today mirror the real-world actions we can all take to protect these ecosystems.
	RAY Watch as your efforts bring life and color back to this reef. It's a powerful reminder that together, we can achieve incredible feats of conservation!

All guests have now placed their coral specimens.	
PROJECTION: PROJECTION DISPLAYS THE CORALS TURNING WHITE, SIMULATING A BLEACHING EVENT	
	DR RIPPLE As you watch the projections on our model reef, you'll see it transform, reflecting the very real challenges our coral reefs encounter. One of the most pressing issues is coral bleaching, a stress response to rising sea temperatures caused by climate change.
	RAY Yeah, it's like our coral pals are feeling too hot under the collar... or, under their polyps, so to speak! This bleaching happens when they get stressed and expel the algae living in their tissues, losing their vibrant colors and, more importantly, their main source of food.
PROJECTION: PROJECTION CHANGES TO SHOW STRESSED CORAL IN THEIR ENVIRONMENT, SIMULATING ACIDIFICATION AND RISING SEA LEVELS	
	DR RIPPLE Another challenge projected here is the impact of climate change itself. As our planet warms, sea levels rise, and ocean conditions become more acidic, it's tougher for corals to build their skeletons. This makes it harder for reefs to grow and provide homes for marine life.
	RAY It's like building a sandcastle with wet sand, folks. If the sand keeps washing away, it's a no-go. Our coral castles need stable, healthy conditions to protect their ocean buddies and keep the marine neighborhood bustling!

	DR RIPPLE These projections remind us of the urgency of our conservation efforts. The corals you've placed today represent hope and action. Together, we're working against these challenges, advocating for changes that can turn the tide for coral reefs worldwide.
	RAY Absolutely! Every coral fragment you've added to this reef is like a vote for a healthier ocean. It's up to us to keep the party going for our coral friends by fighting climate change and supporting reef-friendly practices.
PROJECTION: PROJECTION CHANGES TO REJUVENATE THE REEF	
	DR RIPPLE Witnessing the potential for recovery and growth in our model reef gives us hope. It shows that with concerted efforts and global cooperation, we can mitigate these challenges and support our coral reefs' resilience.
	RAY That's the spirit! Let's ride this wave of hope and take action. Remember, every little bit helps, and together, we can make a big splash in the fight to protect our underwater treasures.
PROJECTION: PROJECTION-MAPPING CEASES	
	DR RIPPLE Thank you for joining us on this journey. Let's carry the lessons learned today into our daily lives and continue to be stewards of the sea.
Guests can now remove their coral models, now a keepsake.	
	RAY Keep making a splash, everyone! And remember, Reef Ranger Ray is always here to keep the fun and conservation going. Sea you later!

LIGHTING: LIGHTS BRIGHTEN ENTIRE SHOWROOM	
MUSIC: EXTRAVAGANT CLOSING MUSIC	
EFFECT: DOORS OPEN FOR GUESTS TO EXIT	