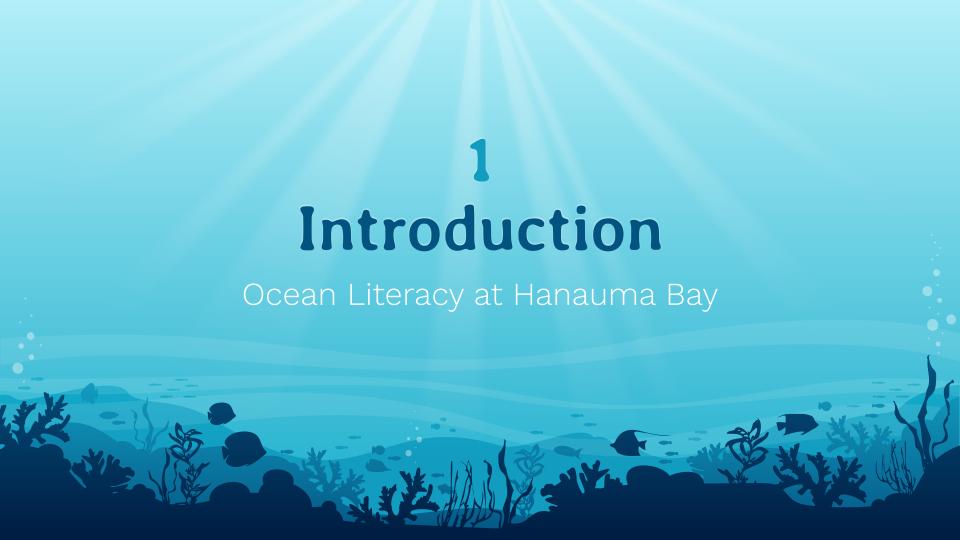
# Ocean Literacy at Hanauma Bay

A Mural of Discovery

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- 1 Introduction What's This About?
- 2 Design The How and Why
- 3 Evaluation What Did and Did Not Work?
- 4 Conclusion Now What?

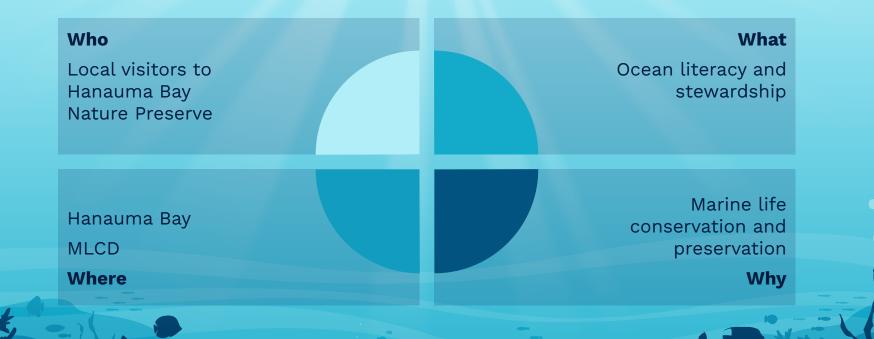








#### Introduction



#### **Goal Statement**

Learners will be confident in their ability to positively impact marine ecosystems and apply these actions in their daily lives





#### Design

#### Audience

Local visitor
covers a diverse
group of learners.
Shared
characteristics
include:

Interest in Hanauma BayTransient Learners



#### Content

Equally broadly appealing to meet the needs of the many

#### Design

#### **Theories**

Constructivist
approach to
learning; Learning
through discovery
and in relation to
their activity at
Hanauma Bay

## Strategies

Keller's ARC(S) Model to build connections 18.

Chooses to take actions that positively impact marine environments

16.
Confident in explaining human impacts on marine environments

17.
Confident in ability to positively impact marine environments

11.
Determine
healthy marine
environments

Explain connection between humans and marine environments

13.
State actions that negatively impact marine environments

14.
State actions that positively impact marine environments

1. List native species 2. List invasive species

3.
List
signs of
healthy
coral

4.
List
human
impacts
on the
ocean

4. List ocean impacts on humans

5. Aware of pollution 6.
Aware
of
climate
change

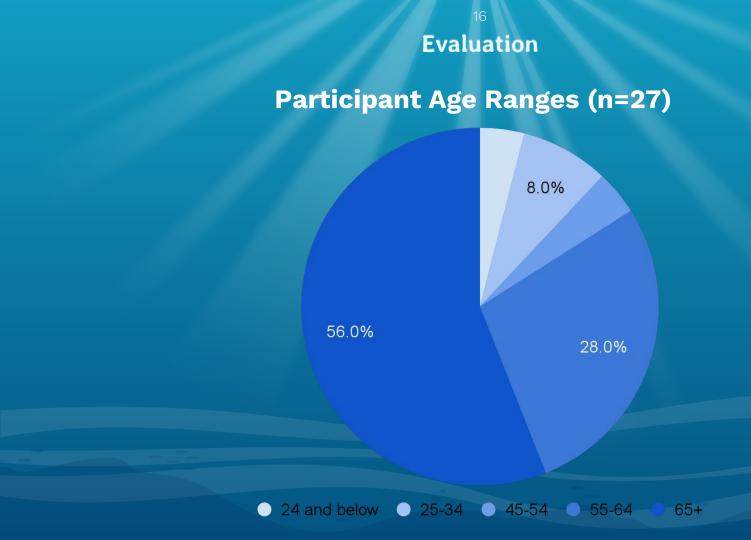
7. Aware of over fishing 8. Aware of beach clean ups

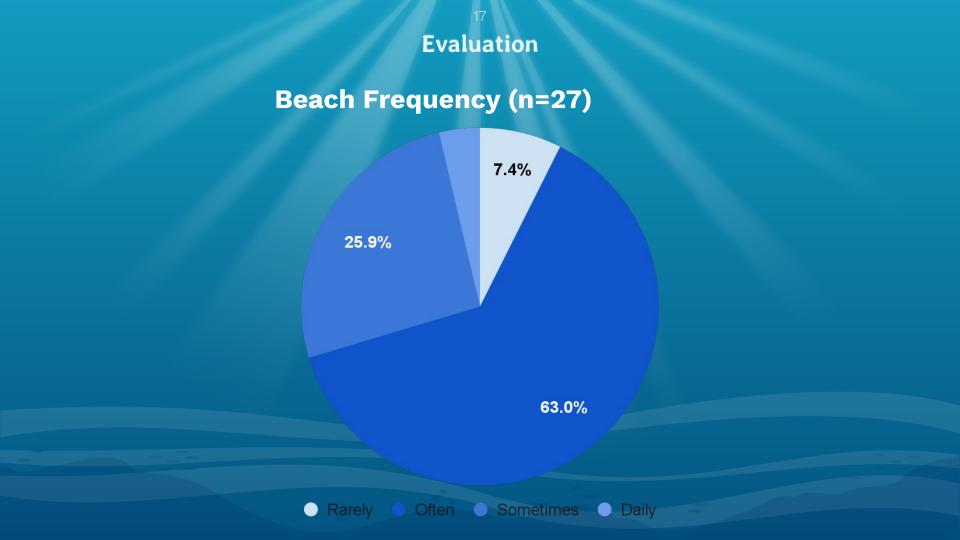
9. Aware of renewable energy

10. Aware of sustainable fishing

# 3 Evaluation

How did it go?





**Evaluation** 



# **Usability Testing**

Category	Round 1	Round 2
Ease of		
use	Positive	Positive
Purpose	Negative	Positive
Visuals	Negative	Positive

Which reef do you think is healthier? \*



	1	2	3	4	5	6	
Not at all	0	0	0	0	0	0	Very likely
ow likely are yo	u to walk, b	ike, or take	e similar ac	tions in ord	ler reduce	your carbo	n footprint? *
ow likely are yo	u to walk, b	oike, or take	e similar ac 3	tions in ord	der reduce	your carbo	n footprin

Always

How often do you check where the fish you eat comes from?  $^{\star}$ 

O A

○ B

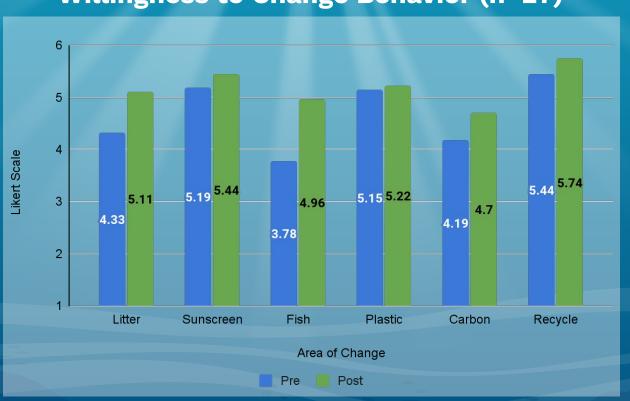
**Evaluation** 

# Which Reef is Healthier? (n=27)



Evaluation

# Willingness to Change Behavior (n=27)



Evaluation

# **Average Willingness to Change Behavior (n=27)**



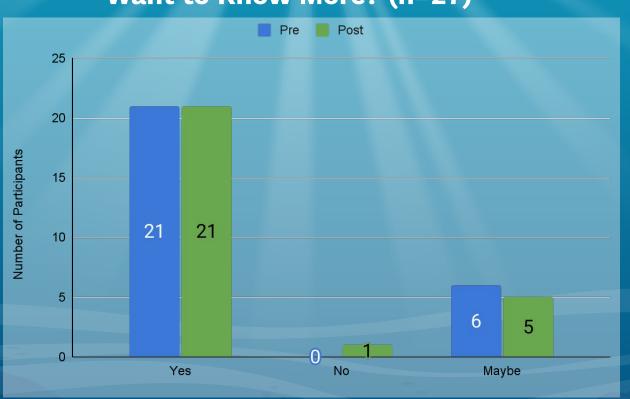
**Evaluation** 

# Do You Know Enough? (n=27)



Evaluation

# Want to Know More? (n=27)





#### Conclusion

#### **Goal Statement**

Learners will be confident in their ability to positively impact marine ecosystems and apply these actions in their daily lives



### Conclusion



### **The Future**

He Pūkoʻa Kani ʻĀina A Coral Becomes an Island

