

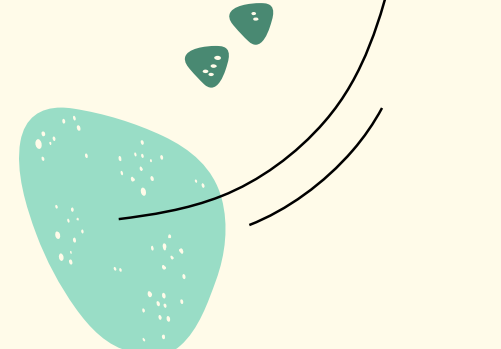
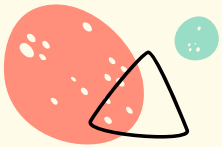
SFCM Water Exhibit

"Design an interactive water exhibit for the Santa Fe Children's Museum to inform individuals on water conservation and its importance."

Members:

Cameron Carlin
James Doucette
Mackenzie Pryor
Krish Shah-Nathwani

Sponsor:





Meet the Team

Krish	James	Cameron	Mackenzie
Shah-Nathwani	Doucette	Carlin	Pryor



Sponsor and Mission

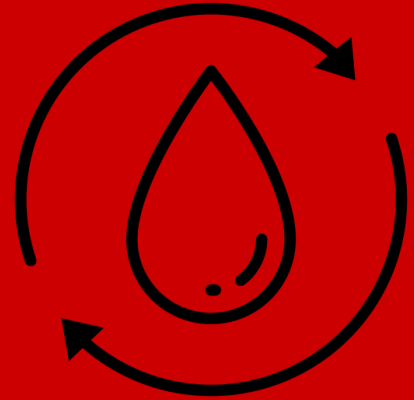
Children Learn
By Doing

SANTA FE
CHILDREN'S
MUSEUM

Discovering
the joys of
learning,
play, and
community

Promotes
outreach to
local schools
and
communities

What's the Problem?



Project Background

Water

1

Water Conservation efforts are needed in New Mexico due to scarcity

Museums

2

Museum Exhibits can be an interactive tool to teach children about important issues

Children

3

Children benefit greatly from interactive learning

Project Goal: Design an Interactive Exhibit for the Santa Fe Children's Museum on Water Conservation

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graph TD; A[Project Goal: Design an Interactive Exhibit for the Santa Fe Children's Museum on Water Conservation] --> B[Objective 1: Gain a thorough understanding of water conservation in New Mexico]; A --> C[Objective 2: Recognize child behavioral patterns when learning from hands-on exhibits]; A --> D[Objective 3: Observe various styles of successful exhibits and the features associated]; A --> E[Objective 4: Familiarize ourselves with exhibit portability and self-sustainability];
```

Objective 1:

Gain a thorough understanding of water conservation in New Mexico

Objective 2:

Recognize child behavioral patterns when learning from hands-on exhibits

Objective 3:

Observe various styles of successful exhibits and the features associated

Objective 4:

Familiarize ourselves with exhibit portability and self-sustainability

Methods



Interviews



Surveys



**Participant
Observation**



**Comparative
Analysis**

Key Findings

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graph TD; A[Key Findings] --> B[1 Household Water Conservation]; A --> C[2 Child Behavioral Patterns in Museums]; A --> D[3 Successful Museum Exhibits];
```

1

**Household
Water
Conservation**

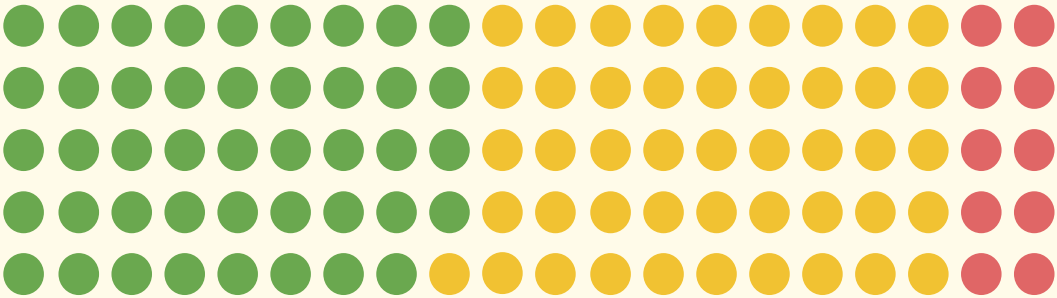
2

**Child
Behavioral
Patterns in
Museums**

3

**Successful
Museum
Exhibits**

Do you think the state of New Mexico does a good job on informing the public about water conservation?



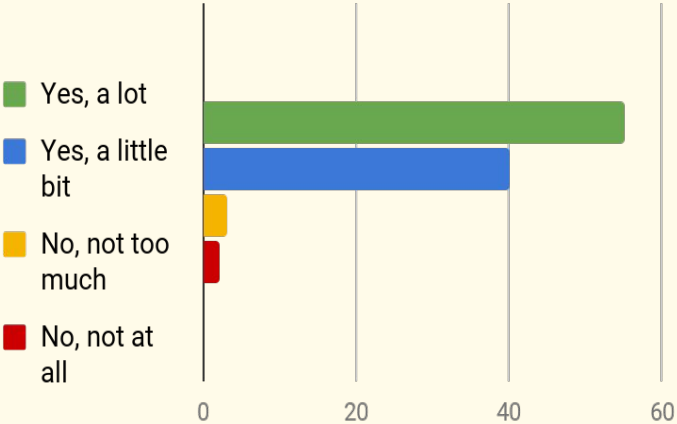
Yes
(44)

No
(46)

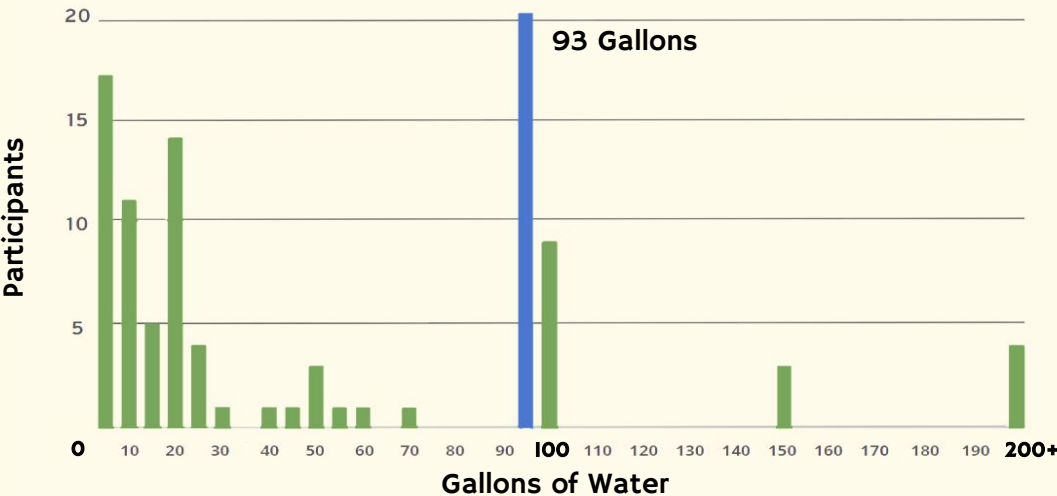
N/A
(10)



Do you think about water conservation in your daily routine?



How Much Water Do You Think You Use Daily?

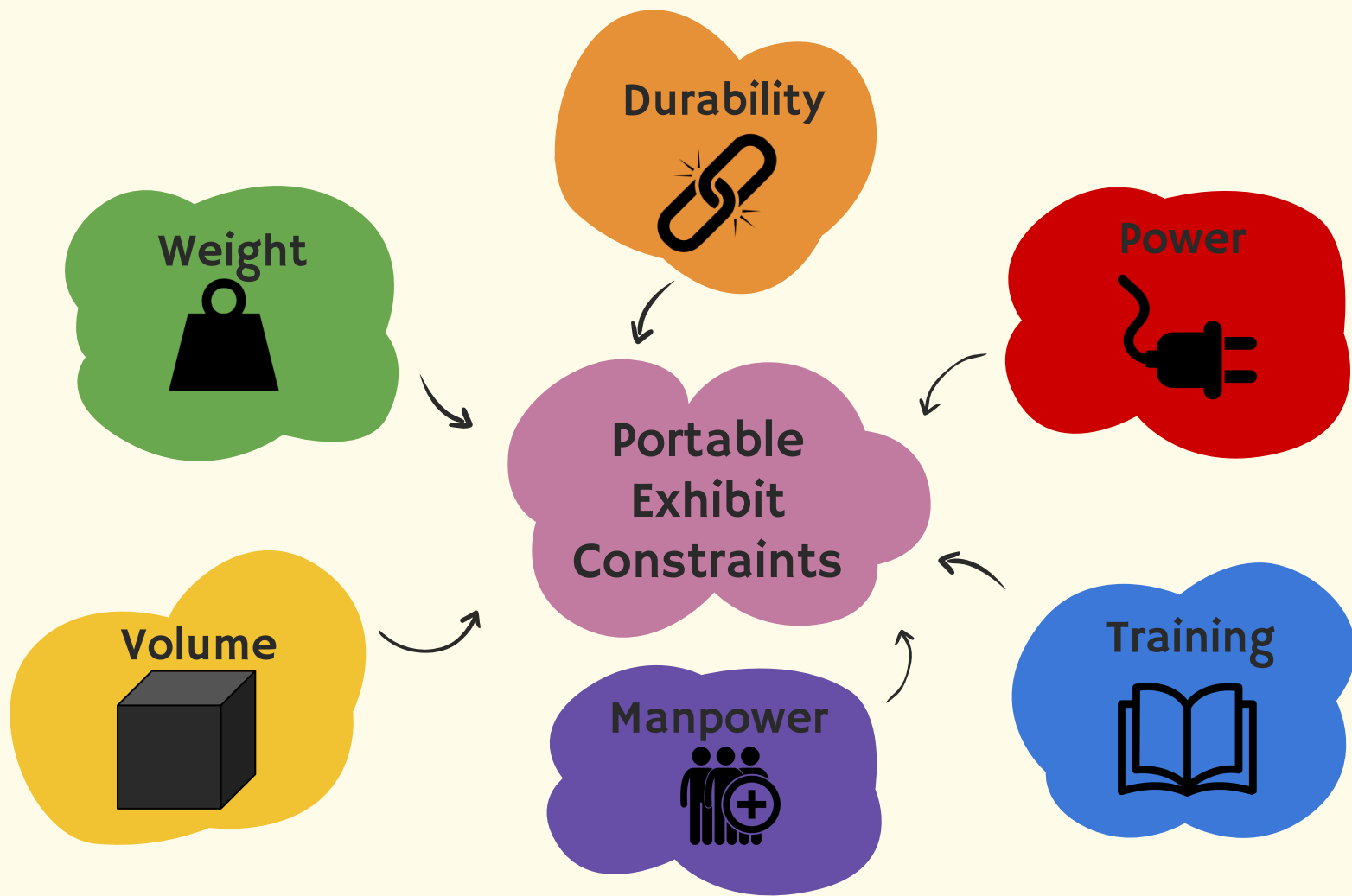


**"Mess is a success at the
children's museum"**

-Leona Hillary







Deliverables & Recommendations

Criteria

1. Water Conservation Topic
2. Interactive
3. Collaboration and Experimentation
4. Various approaches and outcomes
5. Accessible and safe

**Stationary
Museum Exhibit**



Our team would like to give a special thank you to...



WPI

SANTA FE
CHILDREN'S
MUSEUM



Clayton Hanlon

References

<https://bouldercolorado.gov/services/water-conservation>

<https://santafekidrensmuseum.org/>

<https://bouldercolorado.gov/services/water-conservation>

[https://www.kidsquestmuseum.org/programs/special events for all ages/](https://www.kidsquestmuseum.org/programs/special_events_for_all_ages/)

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or-kitchen-faucet/p1233671](https://www.faucetdirect.com/moen-101010-replacement-1-5-gpm-aerator-kit-for-kitchen-faucet/p1233671)

<https://in.pinterest.com/pin/301178293827995983/>

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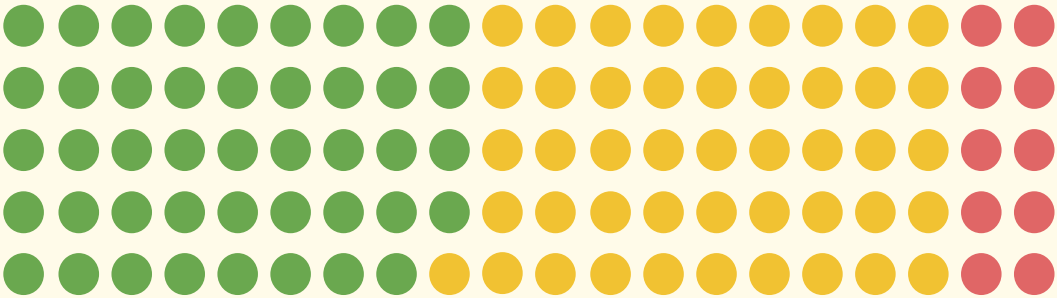
https://www.flaticon.com/free-icon/brochure_1026425

<https://uxwing.com/checklist-icon/>

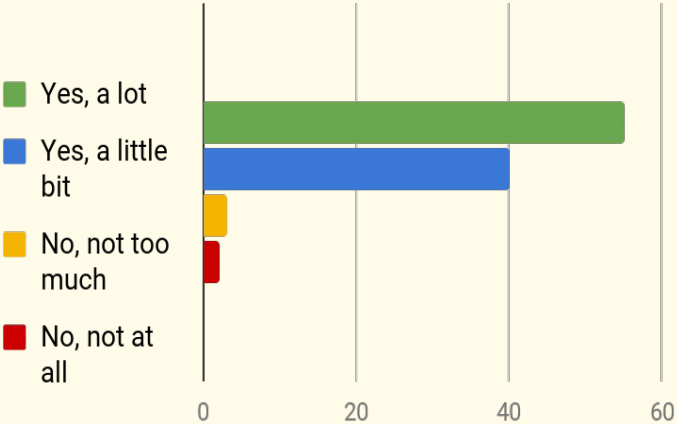
The background is a light cream color with several abstract elements: a black wavy line in the top left; three small green triangles with white dots in the middle left; a large orange shape with white dots and a black triangle outline in the bottom left; a horizontal red oval with white dots in the center; a dark green vertical bar and a light blue circle with white dots in the top right; and a red shape with white dots and a black grid pattern in the bottom right.

Questions?

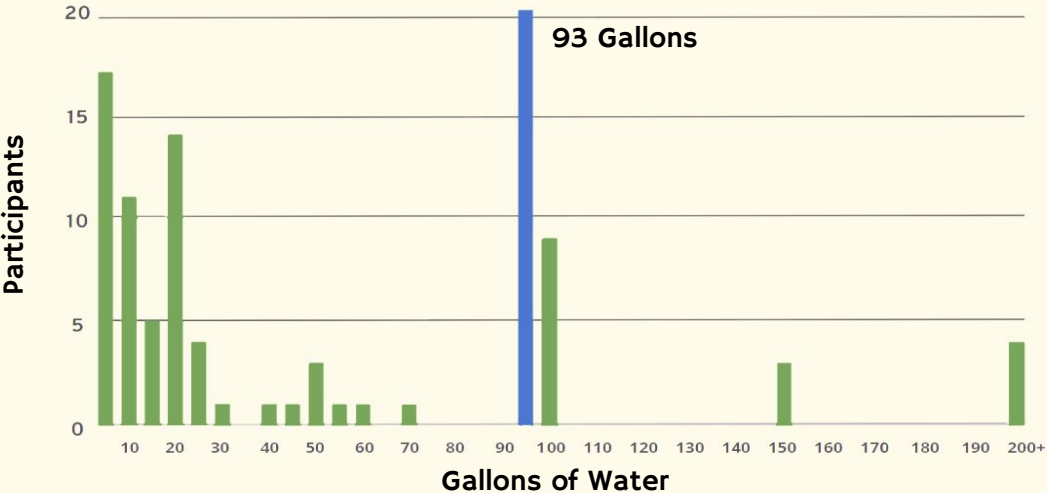
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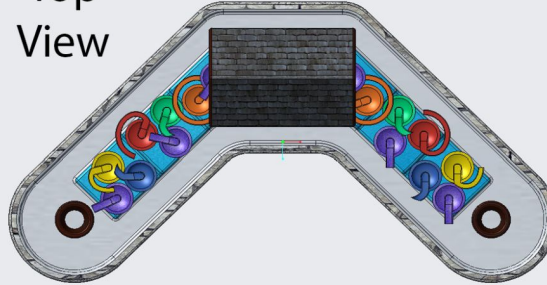
Deliverables & Recommendations

Criteria

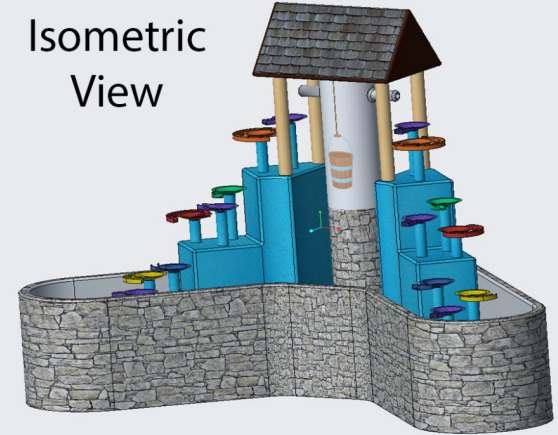
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2. Interactive
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**Stationary
Museum Exhibit**

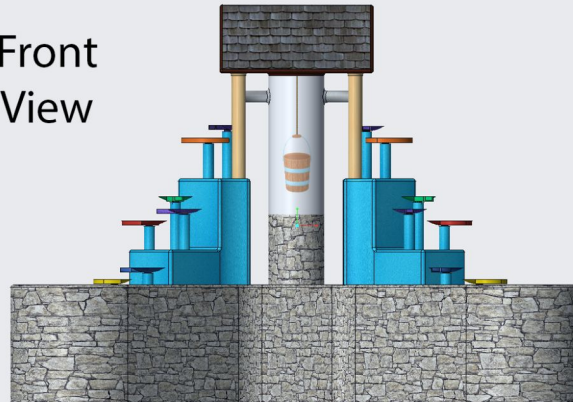
Top
View



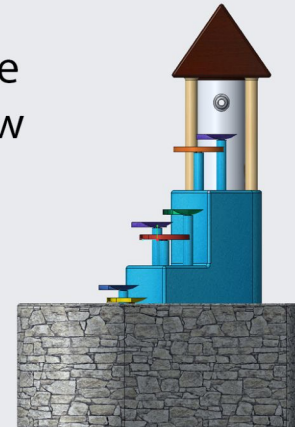
Isometric
View



Front
View



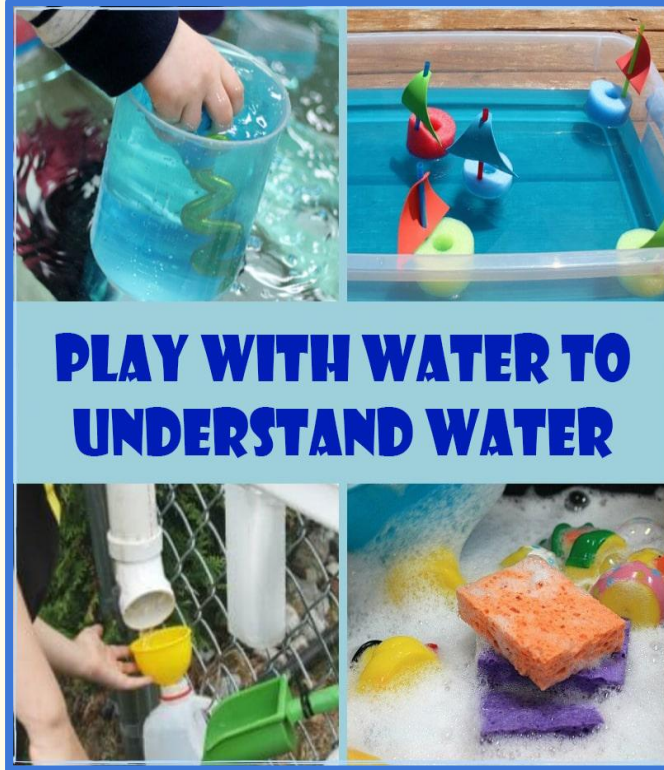
Side
View



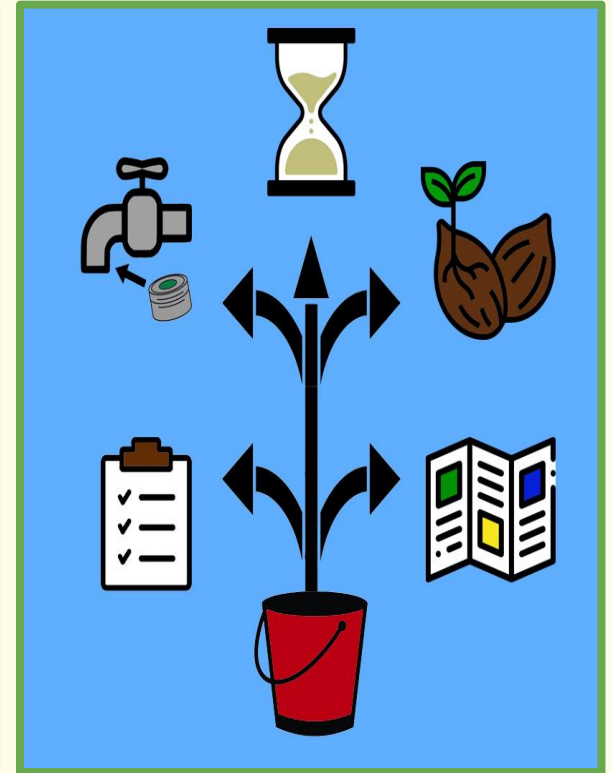
Deliverables & Recommendations



**Stationary
Museum Exhibit**



**Interactive
Outreach Program**



Grab & Go Kit