



Waste & Recycling Interactive Exhibit



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Waste & Recycling Interactive Exhibit



The County of Orange & the Discovery Science Center propose a state-of-the-art, world's first Waste and Recycling Interactive Exhibit.

Goals of the Exhibit:

To educate the public on waste & recycling and create a mindset to help lower county's waste's costs over the long run.

- Identify the different types of waste,
- What to do with each type of waste,
- Where does our waste go after collection?
- How to help reduce our waste cost?
- Environmental Stewardship is everyone's responsibility,
- How to reduce waste before you have it (the eco-shopping store)

OC Waste & Recycling





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Waste & Recycling Interactive Exhibit



Located at the Discovery Science Center the the World's First Waste and Recycling Interactive Exhibit will consist of two main parts:

- **Eco Shopping Store**
- **Waste Identification Game**



The Eco-Shopping Store!





**Grab a scanner
and go shopping!**



Obtain a shopping list



And a scanner to keep track of items



Grab a scanner and go shopping!



Choose the right products
& gain points by identifying:

- Less packaging,
- Reusable containers,
- Recycled packaging,
- Recyclable products,
- Cloth shopping bags

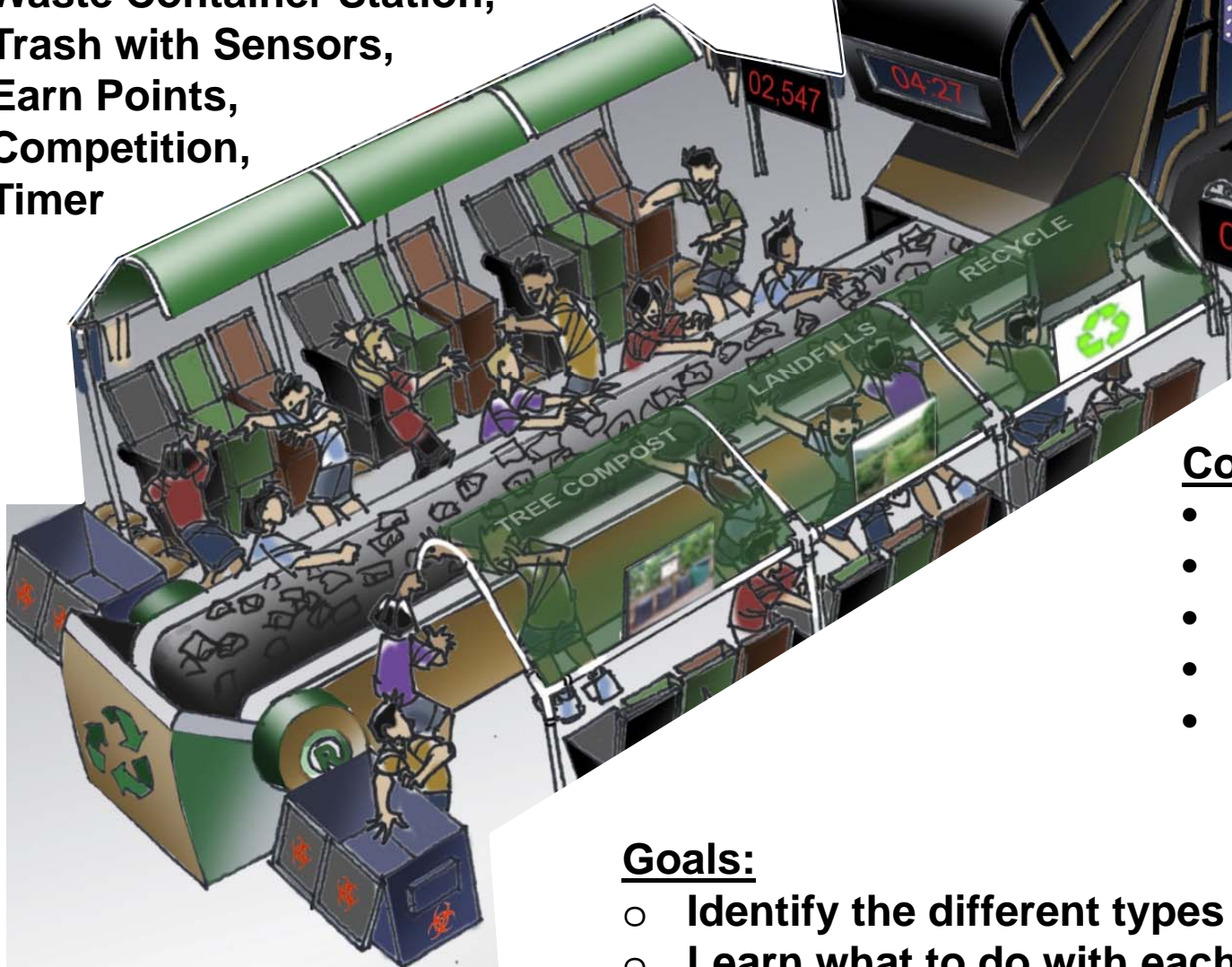


Goals:

- Identify the different types of waste (packaging),
- Learn how to reduce waste before you have it

Waste Identification Game

- Truck and Processing Conveyor,
- Waste Container Station,
- Trash with Sensors,
- Earn Points,
- Competition,
- Timer



Container Station:

- Explanation Area
- Trash,
- Recyclables,
- Yard Waste,
- Hazardous,

Goals:

- Identify the different types of waste,
- Learn what to do with each type of waste,

Points Earned

Example for "Clean Green" material

Positive Points for correct choices:

- leaves
- weeds
- brush
- prunings
- grass clippings
- pine needles and pine cones
- sod under 3 inches thick (without rocks)
- woody materials up to 3 inches in diameter and 6 feet in length.



Negative Points for wrong choices:

- dirt
- rocks
- animal waste
- food or vegetable waste
- garden tools or furniture

Learning Stations: Trash, Recyclables, Yard Waste

Where does it all go?



Goals:

- Learn what happens to our waste after collection,
- Understand the cost and ways you can help reduce cost,
- Environmental Stewardship is everyone's responsibility

Don't Forget About the Household Hazardous Waste!



**Identify Hazardous Waste
from Regular Waste**



**Learn why it is bad to put
hazardous waste in the trash?**

Goals:

- **Identify the different types of waste,**
- **Learn what to do with each type of waste,**

Exhibit Costs:



Eco-Shopping Store



Exhibit Costs: **\$2,000,000**

Operating Costs:

Annual: **\$ 48,000**

5 Year Roll Up: **\$ 240,000**



Waste Processing Station

Exhibit Costs: **\$1,600,000**

Operating Costs:

Annual: **\$ 65,000**

5 Year Roll Up: **\$ 325,000**



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Measuring the Return on Your Investment



This exhibit is aimed at educating and changing behavior patterns regarding waste reduction, reuse, and recycling. Several ASTC National Studies have proven that more people can retain educational concepts by interacting with the concept than just by reading about it. Metrics are a great way that Science Centers traditionally measure their success because we know who is interacting with the exhibit and we can test them.

With funding the following techniques can be used to measure exhibit success:

1. Both the Eco Store & the Waste Identification Game will have the ability to tally visitor's game scores/success rate in identifying ways to reduce waste.
2. Pre and Post testing on an electronic response system (computer-based game) for an entire class can enable us to collect data from guests.
3. An outside evaluation consultant can come in to hold focus group surveys.
4. DSC has relationships with CSUF and CSULB through our volunteer Science Specialist program where these university students could conduct a research study on our members and general visitors.
5. Online surveys to our members following special events can give us insight as to whether they have implemented some behavioral changes to a more eco-friendly lifestyle following their experience of visiting our exhibit.



The Discovery Science Center (“DSC”) is the largest provider of informal science education programs in Orange County, and a major provider across Southern California. Located in Santa Ana, DSC is visited by more than 460,000 guests annually and is the 7th largest provider of science education programs in the Nation among Science Centers, delivering educational programming to over 145,000 students in schools throughout Southern California.

Now celebrating ten years since opening its doors, DSC has developed an experienced leadership team, recruited knowledgeable staff, and garnered a supportive Board of Directors from all across the County. In addition, parents Magazine, a national publication with an audience of 15 million ranked DSC the 11th Best Science Center in the Country in 2008.



**Together we can help reduce waste
& extend the life of our landfills!**



*Thanks for making science
education part of the solution.*