

Arizona-Sonora Desert Museum

The mission of the Arizona-Sonora Desert Museum is to inspire people to live in harmony with the natural world by fostering love, appreciation, and understanding of the Sonoran Desert.



Regional Museum











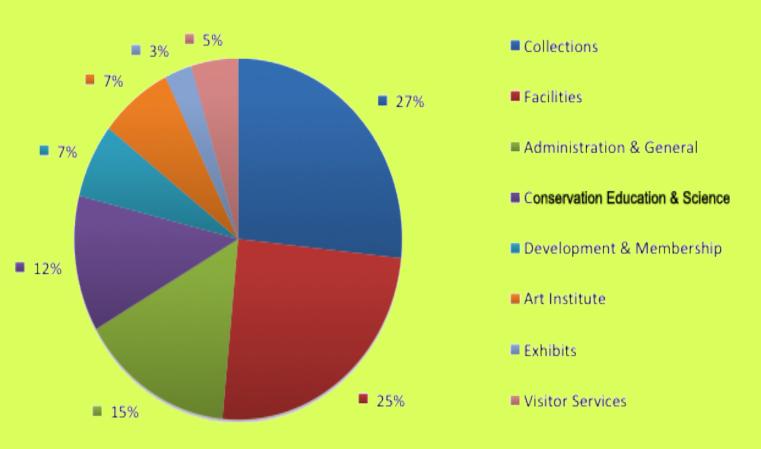


350,000 visitors tour the Museum annually, from all parts of the world

- Name #3 zoo in the US in USA Today Poll in 2017
- #9 Museum in the US by TripAdvisor in 2014
- #5 Public Garden in the US by TripAdvisor in 2013
- 21,032 household members
- 713 volunteers (242 docents) 71,985 hours contributed=\$3 million
- 120 staff

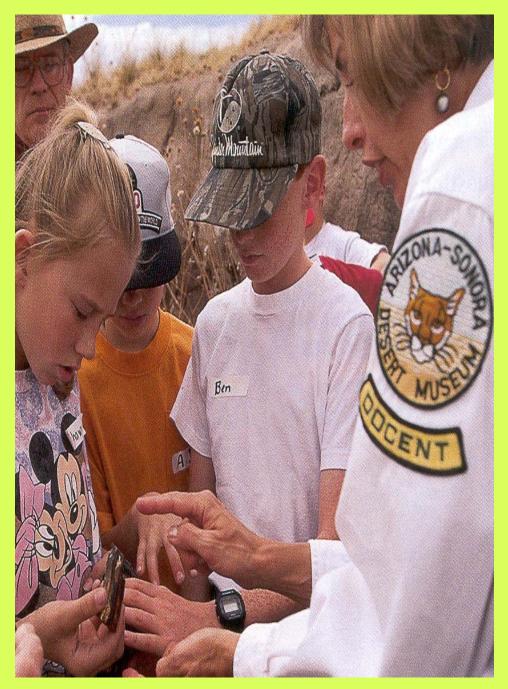
Unlike most museums, about 85% of the experience is outdoors and alive!

Cat Canyon, opened



Approximately 9 million in operational

Botany 525,030 (9 full time staff)





Living plant collection contains 56,000 specimens, of ~1200 species - including 213 types of cacti

Cultural & Demonstration Gardens

Hohokam Agave Field
Labyrinth
People & Pollinator
Desert Garden
Pollination Gardens
Yucca & Saguaro Ramada

Taxonomic Collections

Palo Verde

Agave

Cactus

Ocotillo

Cholla

Biotic Communities

Desert
Mountain Woodland
Desert Grasslands
Tropical Deciduous Forest
Thornscrub
Riparian Corridor (habitat)
Life Zone Transects & Walk
In Aviaries
Mojave Desert





Interpretation & Exhibit's on a Budget

Butterfly & Pollination Garden

Yucca Ramada

People & Pollinator Garden

Cactus Garden

Agave Garden

Labyrinth



Butterfly Interpretation Monarch Waystation



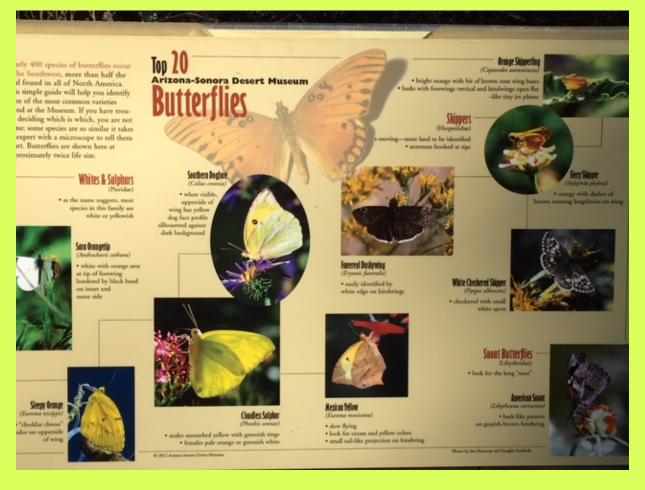


Butterfly Walks

Citizen Science-Monarch Tagging

Plant with a Purpose-Plant Sale

\$33,000 Revenue













4500 milkweeds propagated-Monarch Way Station-School Yards-expanded operations, 8 species



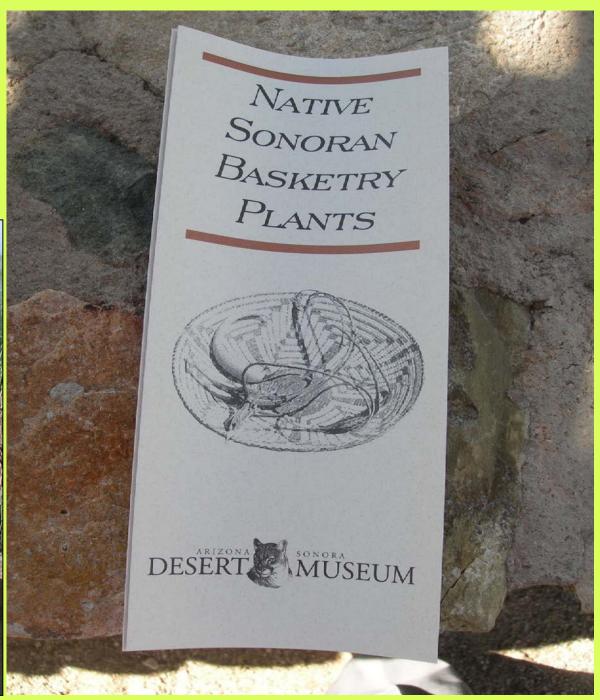






Originally this site was called the Weavers Ramada, that's why there are several species of yucca plants around.





In the past this Ramada has been used by Tohono O'odham basket weavers, and as a Native Food cooking demonstration site







Agave Roasting Pit

For centuries, many types of agave have been a source of food for Native Americans in the Southwest, often being roasted in pits like this. The plant was so important that some desert people grew it as a crop instead of just gathering wild agaves.

It takes one to four days to cook agaves in a roasting pit. To prepare the, people remove the leaves from the plant's short thick stem, until they expose the heart. Agave "hearts" are then sandwiched between layers of moist vegetation in the rock-lined pit and covered with dirt to bake. Fresh baked agave is extremely sweet and low in calories.

Agave is also a major source of fiber. The plant's long fibers can be used to make thread, cord, nets, clothing and baskets. Agave leaves are steamed in roasting pits for a short period of time, after which the leaf pulp is scraped leaving the fibers, which are twisted and spliced together to make balls of twine.



Pozo para Asar el Maguey

Por siglos, muchos tipos del Maguey han sido fuente de comida para los Americanos Nativos en el Suroeste que seguido se asan en pozos como este. La planta era tan importante que algunos habitantes del desierto lo sembraban como parte de su cosecha en lugar de pizcar el Maguey silvestre.

Se toma de uno a cuatro dias para cocinar el Maguey en el pozo para asar. Para prepararlos, uno tiene que remover las hojas de los brazos cortos y gruesos, hasta que se vea el "corazón." El "corazón" del Maguey es envuelto en tapas de vegetación húmeda en el pozo forrado de rocas y cubierto de tierra para asarse. El Maguey acabado se asar es extremadamente dulce y bajo en calorias.

El Maguey es también la mayor fuente de fibra. Las fibras largas de la planta se pueden usar para hacer hilo, cuerda, redes, ropa y canastas. Las hojas del Maguey se cocinan al vapor dentro del pozo por un corto tiempo, luego se raspa la pulpa dejando solo la fibra, la cual es entretejida y unida para hacer bolas de hilo.







People & Pollinator Garden

\$10,000 Donation















Tohono O'odham Community College

Traditional Ecological Knowledge & Interpretation





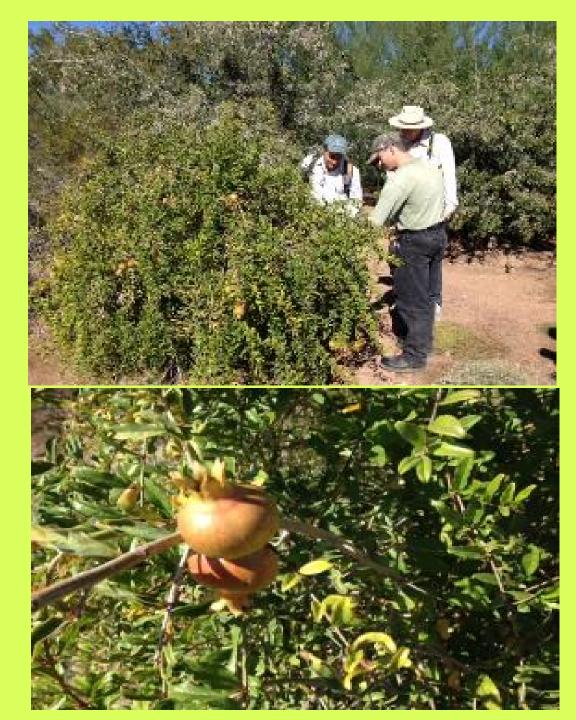


Heritage Fruit Tree Project





Shade structure to propagate heritage fruit trees











The Revitalization of the Cactus Garden introduced more plant groupings, increased density and provided needed shade. A hard frost in 2011 and following years of drought damaged many plants in the collection. Fall of 2014 \$15,000-Single donor funding





Volunteers

Thanks to the United Way of Tucson's Days of Caring for participating.



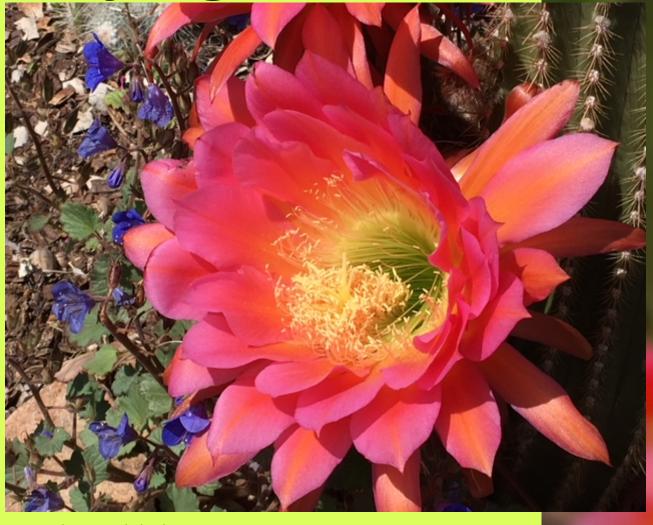




Docent Led Cactus Tours



Flying Saucer





Trichocereus hybrid
Photo Credit-Marie Long

Close to 10,000 likes, Mark Dimmitt, former curator, he was a leader of the beginning of hybridizing trichocerues and is still well known for it.



Amazon Donation –Fall 2017







Rock work created by starting a concreted incomplete mold and then a horticultural mix soil fill. Irrigation incorporated into the rock along with additional irrigation upon completion. Results in a rich mix, water absorbing and open bottom for roots.



Agave Interpretations

"Watching stalks grow"

Science Studies

Tequila Tasting

Agave Tours







Exhibit Opening & Blessing



Native American Cultural Night

June 28th, 2014, Free Admission for Native American community members attendees-2,252, with 668 Native American community members





Idaho Botanical Garden



Simple Plant Stakes
Engraved plant labels
on a stake may cost
\$20 or more each.
Simple signs may be
appropriate in certain
locations



Blackboards

Metal coated with blackboard paint creates signs that can be changed frequently or used for an extended period. Use chalk or chalk pens.







Ready for the garden! Compost increases the soil's quality, and the availability of nutrients to our growing plants





Coroplast Signs
Corrugated plastic
can be used to make
inexpensive signs that
will last a season or
more.

Reusing a template saves on design costs.



Small Metal Signs
Like the coroplast
signs, reusing a
template for
aluminum signs saves
on design costs.





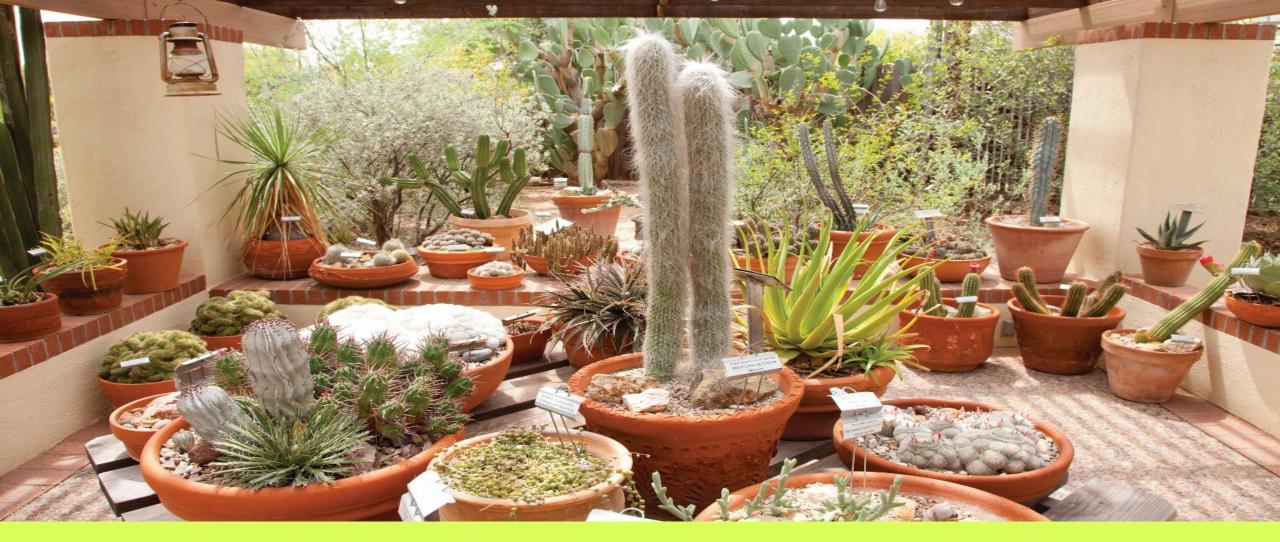
Inexpensive Art ExhibitScarecrow Stroll

For a small fee, community members, schools and businesses are invited to display a scarecrow in October.









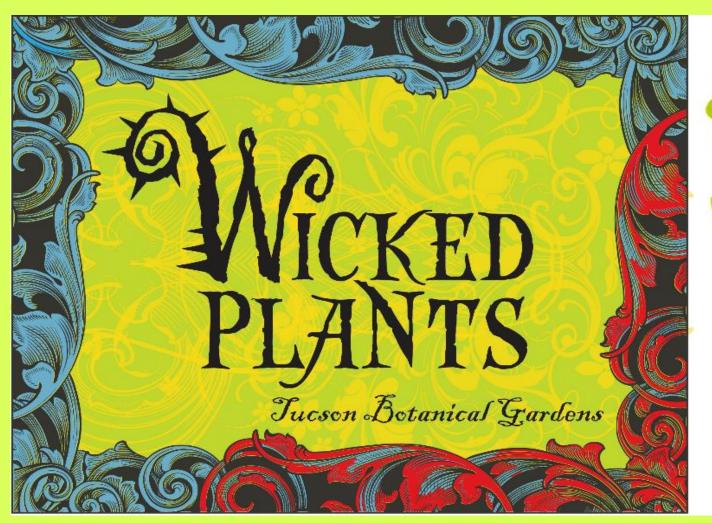
Interpretation & Exhibits on a Budget

Tucson Botanical Gardens

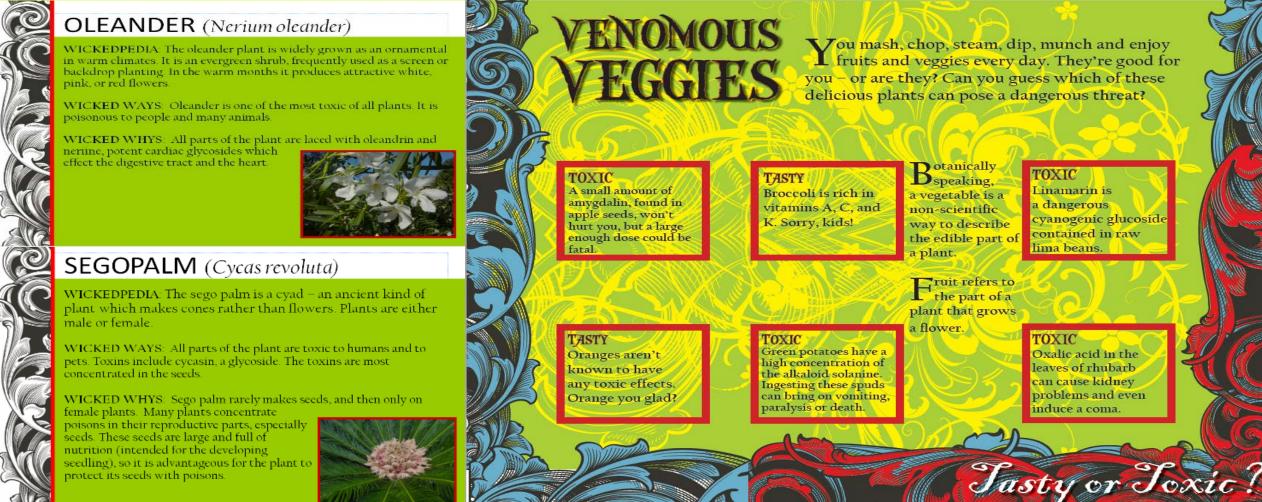
Ashley Pedersen, Director of Education



Small Original Exhibits Approx. \$12,000 each, created in-house

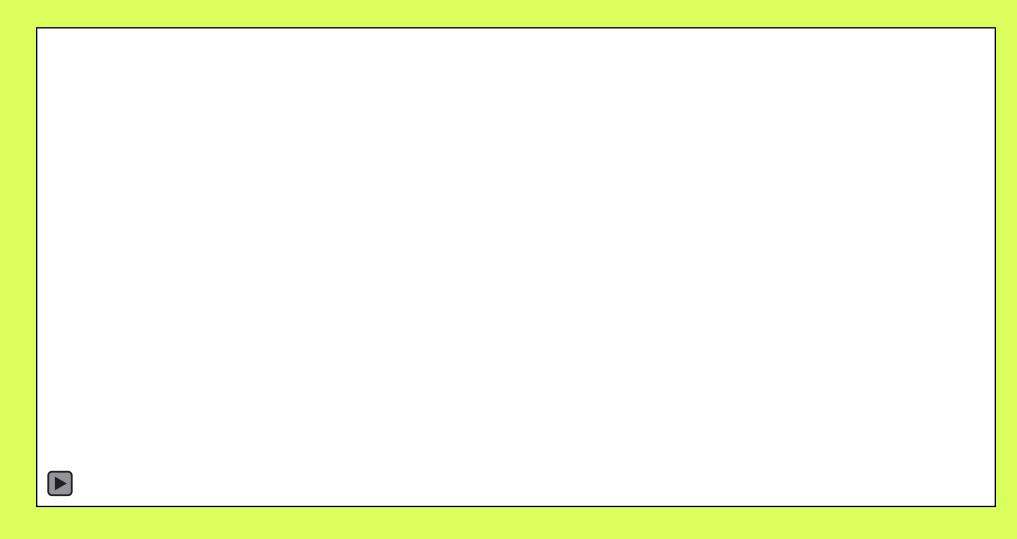




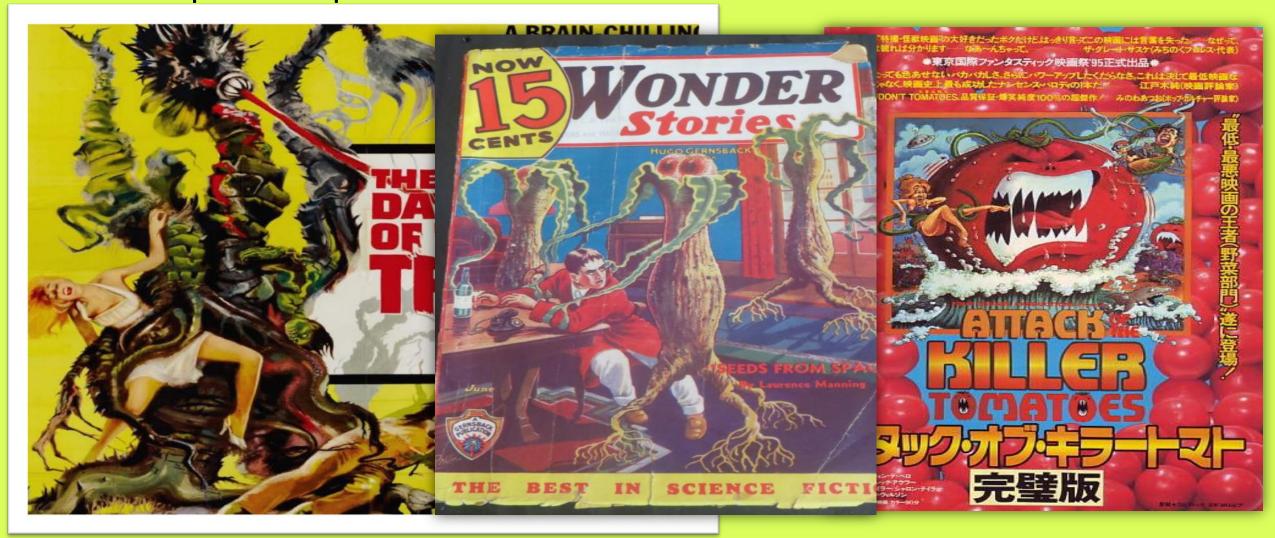


Wicked Plants, 2009 Inspired by book and similar exhibits

Wicked Plants, 2009 "Edutainment"



Alien Invasion of the Plant Kind, 2013 Using pop culture to tell the story of invasive plant species



Alien Invasion of the Plant Kind, 2013 Created by local exhibit designer with basic materials to resemble shipping crates



Alien Invasion of the Plant Kind, 2013 Hands-on activities and live interpretation





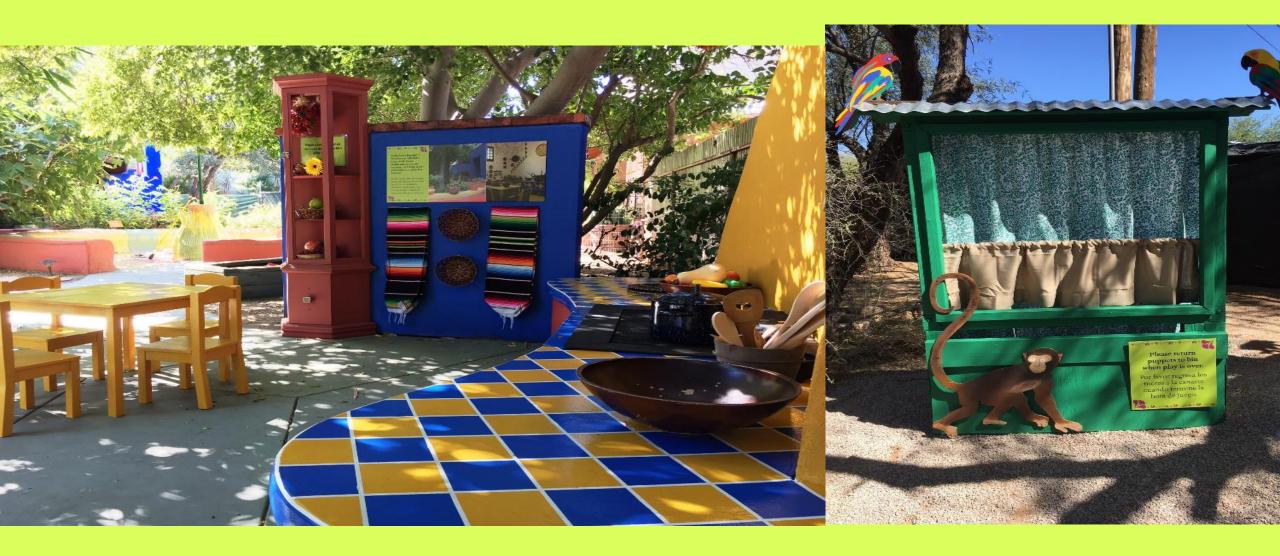
Add-ons to Major Exhibits



Nature Connects, 2015 Lego Playroom



Frida Kahlo: Art, Garden, Life, 2016 Play Kitchen and Puppet Theatre



Redesigned and Extended









Questions?

