



Imagine, Explore, Inspire



“Imagine the Possibilities”

Imagine a place where kids can explore the mysteries of the universe.

Where college students are able to navigate new worlds of opportunities in science, technology, engineering, art and math.

Where families and friends encounter galaxies millions of light years away.


Imagine a world-class space to discover infinite possibilities.

The Planetarium at Orange Coast College.


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“Houston, We Have a Problem”

 According to the Department of Education, the U.S. has fallen behind other countries in science, technology, engineering and mathematics (STEM), creating an urgent need for interactive science education at all levels.


As a leader in science education for six decades, OCC's commitment to STEM has been strengthened with the completion of the College's \$60 Million Allied Health, Biology and Consumer Science complex. This investment ensures that OCC remains a leader in launching the dreams of future scientists who transfer to four-year colleges and universities throughout the world.

A hand is shown writing on a chalkboard. The chalkboard is covered with mathematical equations, including $9 =$, $7 =$, and $0 =$. The background is a greenish-blue space filled with small, glowing green stars. The hand is holding a piece of white chalk and is in the process of writing. The overall scene is illuminated with a soft, greenish light.

“We shall all, philosophers, scientists and just ordinary people, be able to take part in the discussion of why we and the universe exist.”

— Stephen Hawking


A Campaign Takes Flight



Orange Coast College has identified the need for a new planetarium to serve as a vital science center and an extension of the college's commitment to STEM curriculum. By engaging both K-12 students and college students, this one-of-a-kind venue will provide innovative learning experiences that engage, inspire, and illuminate students of all ages.

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Space Travelers Start Here

tudents in Orange County school districts who experience the planetarium will be given the chance to experience core STEM concepts through exhibits that are engaging and fun. College courses will be offered to students by OCC faculty, and members of the community will have the opportunity to attend shows, lectures and exhibits throughout the year.

The Planetarium will have unique features to serve all of its travelers:

State-of-the-art theatre and presentation room

Foucault Pendulum exhibit

Interactive science exhibit hall

Science on a Sphere NOAA display globe

The latest technology and telescopes for optimum learning

Theatre-style seating for 125

Administrative offices

Ticket Office



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Foucault Pendulum

Named for French physicist Leon Foucault, this device serves as a visual demonstration of the rotation of the earth. Designs vary, but the concept is deceptively simple: a pendulum, powered by an electromagnet, swings from a steel cable, knocking down a row of pegs below it. Although the direction of the pendulum appears to be changing, it is in fact the floor beneath the pendulum that moves.

With only a handful of Foucault Pendulums located in the state, OCC's pendulum exhibit will be the first of its kind in Orange County, giving local students and the surrounding community a chance to experience firsthand one of the greatest scientific breakthroughs in modern history.

Science on a Sphere

Researchers at the National Oceanic and Atmospheric Administration (NOAA) developed Science on a Sphere as an educational tool to help people of all ages visualize the earth. Using computers and video projectors, animated images of atmospheric storms, climate change and ocean temperature can be shown on this giant globe, making complex environmental processes an interactive and captivating experience.

OCC's Science on a Sphere will reside in the Planetarium's lobby/exhibit hall, giving visitors an astronaut's-eye-view of the earth as it changes minute to minute.

OCC Astronomy Village / Telescope Farm

Base 11, an organization dedicated to propelling community college students in STEM careers by investing in new and disruptive innovation, has provided a grant of \$1 million to enhance the area adjacent to the Planetarium. The grant will fund a telescope farm featuring solar and celestial telescopes that can be used by students and visitors to the planetarium. Additionally, the grant will fund a study and meeting place for OCC astronomy students and visiting scientists.





Flight Plan

The Planetarium at Orange Coast College

Groundbreaking: Summer 2016

Estimated Completion: Winter 2018

Estimated Cost: \$ 17 million

The Planetarium will be located on the Orange Coast College campus, adjacent to the Charles H. Lewis Center and the Allied Health, Biology and Consumer Health Complex, and positioned in the center of OCC's Science Quad.

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Giving Opportunities

The opportunity to name the Orange Coast College Planetarium is available for a donor making a leadership contribution of \$5 million to the campaign.

The following distinguishing donorship recognition opportunities are available for leadership donors:

125-seat Presentation/Lecture Hall \$2 million

Foucault Pendulum \$1 million

Lobby/Exhibit Hall \$750,000

Entry Courtyard \$500,000





As of February 1, 2015 over \$1.6 million in private support has been received and pledged to support the Planetarium and the Astronomy Village/Telescope Farm. Leadership donors to the project include:

**OCC Astronomy Village Telescope
Farm – \$1 million**

Base 11

**Science on a Sphere NOAA
display globe – \$250,000**

Rallis Family Foundation

Ticket Booth – \$100,000

Jerrell Richards, Ph.D.

Gifts of \$1,000 or more will be acknowledged by a unique donor recognition display in the lobby/exhibit hall of the Orange Coast College Planetarium. Gifts to date in these categories are as follows:

Galactic – \$50,000 or above

David & Barbara Cline
Marisla Foundation

Astral – \$25,000-\$49,999

Stellar – \$10,000- \$24,999

Blair Carty
Marilyn Flint Murphy
West Family Foundation

Meteoric – \$5,000-\$9,999

David A. Grant
Jane Hilgendorf
Judith & Willis Longyear
A. Patrick Munoz
Linda I. Smith Foundation
Doug & Mailei Bennett

Solar – \$1,000-\$4,999

Cheryl Baker
Doug Benoit
Barbara Cooper
Fluor Foundation
In Memory of Cherry
Gundry – Anne Gundry
Dennis Harkins, Ph.D.
Val Hayward
George & Cathleen Hill
Marshall & Dolores Johnson
Rich Pagel, Ed.D.
Liz & Steve Parker
Phi Delta Kappa
Lorraine Prinsky, Ph.D.
Julie Simer
Marilyn Sion
Steve Tamanaha
Carolyn Thomas
UCMI, Inc.
John Weispenning, Ph.D.
Albert Wong



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Orange Coast College Foundation Overview



The Orange Coast College Foundation is a non-profit 501(C)3 corporation incorporated in California.

In 2013 - 2014, the Foundation received donations valued at more than \$4.3 million. Currently, the Foundation counts total assets valued at over \$20 million.

Governed by a 25-member board of directors, the Foundation has designated The Planetarium at Orange Coast College as its priority project for 2009 – 2017.


The Planetarium is an extension of other projects created and supported by the Orange Coast College Foundation and its donors, including the School of Sailing & Seamanship, the Frank M. Doyle Art Pavilion and College for Kids. Since its founding in 1985, the Orange Coast College Foundation has received over \$50 million in donations, and annually provides close to \$1 million in scholarship support to new, continuing and transferring OCC students.

Previous major campaigns include the Capital Campaigns for the Frank M. Doyle Art Pavilion, the Harry & Grace Steele Children's Center, and the renovation of the Robert B. Moore Performing Arts Theatre.



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OCC and Science... A Dynamic Combination!

 Located in the heart of Costa Mesa, Orange Coast College plays an active and enduring role in Orange County's science literacy efforts. In fact, throughout its 60-year history, Orange Coast College has remained a community leader in science education.

Known widely as Orange County's community college of choice, OCC has transferred more than 100,000 of the region's best and brightest to the University of California and California State University systems, as well as to private colleges and universities of distinction across the nation.

OCC students are among the doctors, scientists, health care professionals, teachers, and engineers that make California a world leader.

The community continued to invest in OCC's commitment to STEM by passing Measure M property tax measure in 2012.

\$17 million from the 2012 voter approved Measure M will be dedicated to fund the capital costs of the Planetarium. The members of the Orange Coast College Foundation Board of Directors have given generously to initiate a private fundraising campaign to fund the Planetarium's Endowment. We are now seeking support from the Orange County community so future generations can enjoy the programs and exhibits the Planetarium at Coast will offer.

Help students launch their dreams and explore new worlds of opportunities in science, technology, mathematics, and technology.

Let's give our students and the residents of Orange County and beyond, space to discover.

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Leadership

OCC Planetarium Capital Campaign Committee

- David A. Grant, Chair
President Emeritus, Orange Coast College
- Mary Lynn Bergman-Rallis
- David J. Cline
- Nick Contopoulos, Professor, Astronomy
Orange Coast College
- Tara Giblin, Dean of Mathematics and Science
Orange Coast College
- Dennis Harkins, Ph.D., President
Orange Coast College
- Rush N. Hill, II
- A. Patrick Munoz
- Liz Parker, Retired Trustee
Orange County Board of Education
- Lorraine Prinsky, Ph.D., Trustee
Coast Community College District
- Douglas C. Bennett, Executive Director



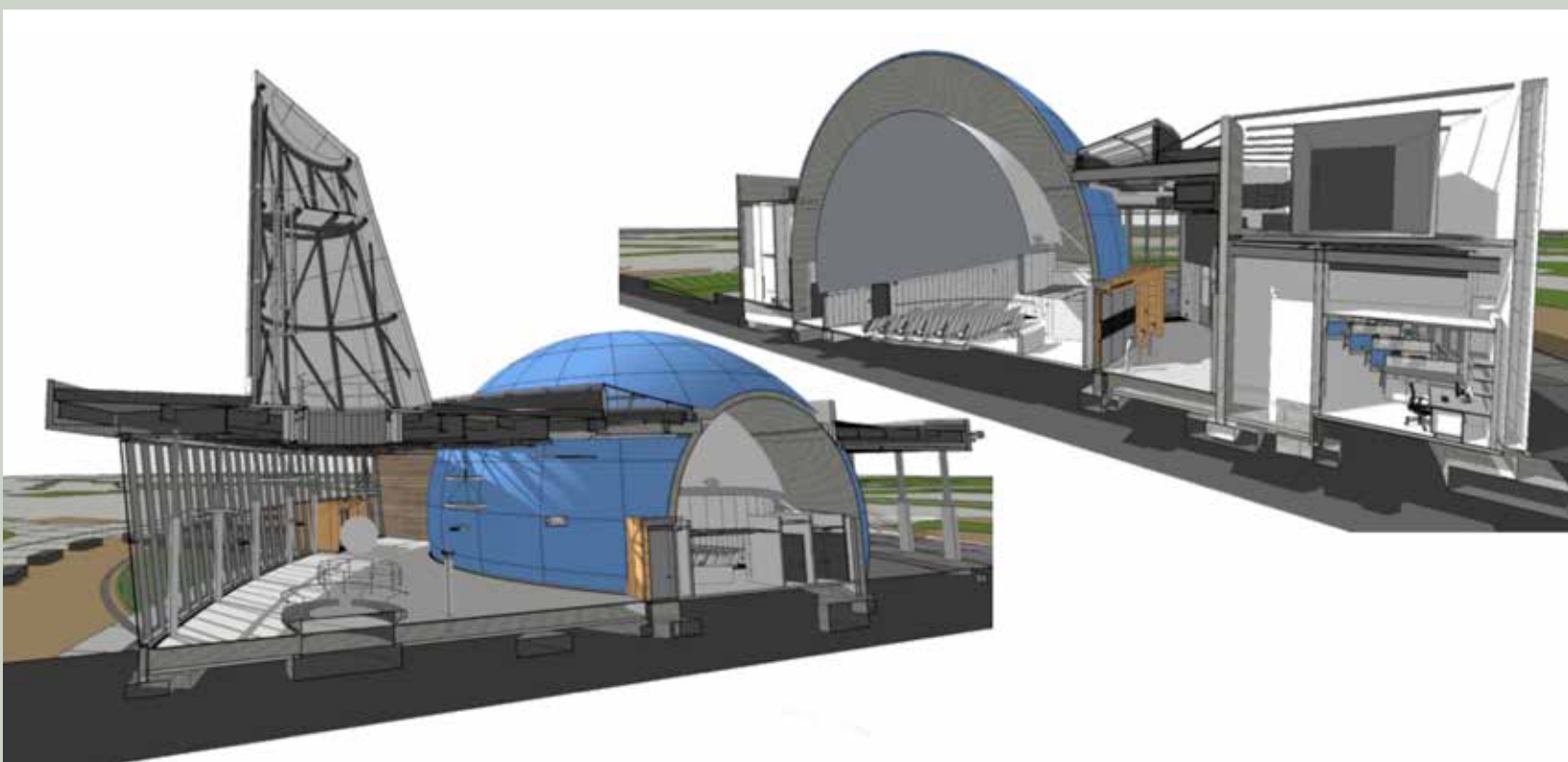
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| Mary L. Hornbuckle | Lorraine Prinsky, Ph.D. |
| Jim Moreno | Student Trustee |

OCC Foundation Board of Directors

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| | Nancy Timmons |
| | Bill Wood |

Architects HPI, Newport Beach





“Astronomy compels the soul to look upwards
and leads up from this world to another.”

— Plato



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