



2025 Onizuka Day of Exploration

Class Catalog

Event Contacts

Name	Title	Phone	Email
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MEET NASA ASTRONAUT DOMINIC ANTONELLI

Dominic A. Antonelli was selected as a NASA pilot in 2000 and completed 18 months of intensive training and evaluation as an Astronaut Candidate. Following this, he contributed to various technical assignments supporting the Astronaut Office. A veteran of two spaceflights, Antonelli has spent over 24 days in space.

In March 2009, Antonelli piloted his first space mission, STS-119, aboard Space Shuttle Discovery. This mission successfully delivered the S6 Integrated Truss Segment and the final pair of power-generating solar array wings to the International Space Station (ISS).

Antonelli later served as the pilot for STS-132 aboard Space Shuttle Atlantis (May 14–26, 2010), marking the 32nd Shuttle flight to the ISS. This mission transported an Integrated Cargo Carrier and a Russian-built Mini Research Module to the Station. Over the course of the mission, the crew completed 186 orbits, covering 4,879,978 miles in just under 12 days.

Before his career at NASA, Antonelli served as a fleet Naval Aviator and Landing Signal Officer aboard the USS Nimitz with the Blue Diamonds, Strike Fighter Squadron VFA-146. During this time, he flew F/A-18C Hornets in support of Operation Southern Watch. He accumulated over 3,200 flight hours in 41 different aircraft types and completed 273 carrier-arrested landings.

Antonelli is a Distinguished Graduate of the U.S. Air Force Test Pilot School and has received numerous accolades, including the Navy Meritorious Service Medal, Navy Commendation Medal, NASA Exceptional Achievement Medal, and the NASA Return-to-Flight Award, among others.

He holds a Bachelor of Science in Aeronautics and Astronautics from the Massachusetts Institute of Technology and a Master of Science in Aeronautics and Astronautics from the University of Washington.

Hear NASA Astronaut Dominic Antonelli speak about his thrilling experiences in space at 9:30 in the ACM building auditorium. An exclusive meet and greet with this distinguished astronaut will follow the presentation.

Limited seating will be available on a first-come, first-served basis. The waiting line will form outside the ACM building. The presentation will also be shown on the large screen outside the ACM building.

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1 2025 ODE Class Catalog (Scheduled Classes)



ODE128 AI for Newbies

AI for Newbies is an introductory course designed to demystify the world of artificial intelligence for complete beginners. This class provides a friendly and engaging overview of what AI is, how it works, and how it impacts our daily lives. Students will explore key concepts like machine learning, neural networks, and natural language processing through simple explanations and relatable examples. No prior technical knowledge is required, making it accessible to anyone curious about AI. By the end of the course, participants will have a solid understanding of AI fundamentals and its potential to shape the future.

12:30-1:30 PM **Room:** D-253 **Instructor:** Gabriel Yanagihara
Maximum number of participants: 30
2-3 PM **Room:** D-253 **Instructor:** Gabriel Yanagihara
Maximum number of participants: 30
Prerequisites: Grade 6 to Grade 12, Adults



ODE127 Banned Book Adventures: Making Storybook Faces

Step into the world of your favorite literary adventures! Some of the most beloved characters in children's literature-like Harry Potter, the Cowardly Lion, and Charlotte the Spider-have sparked imaginations for generations. But did you know these stories have also faced book challenges over the years? Celebrate the magic of storytelling by crafting your own storybook character mask using simple materials. Once your mask is ready, strike a pose at our photo booth and explore the fascinating science behind photography. Discover how light and angles shape the images we capture-and why the stories we tell, and the ways we tell them, matter. This hands-on activity is perfect for all ages. Drop in anytime between 9am and 2:30pm to join the fun.

9:30-10:30 AM **Room:** B-Library, 2nd Floor InfoCommons **Instructor:** Carina Chernisky
Maximum number of participants: 50
11-12 PM **Room:** B-Library, 2nd Floor InfoCommons **Instructor:** Carina Chernisky
Maximum number of participants: 50
12:30-1:30 PM **Room:** B-Library, 2nd Floor InfoCommons **Instructor:** Carina Chernisky
Maximum number of participants: 50
2-3 PM **Room:** B-Library, 2nd Floor InfoCommons **Instructor:** Carina Chernisky
Maximum number of participants: 50
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE106 Basic Fishing

Everything you need to know about fishing at Hoomaluhia. From tackle, safety, bait, even how to register to go fishing. Presented by the BSA National Fishing Leadership Team

9:30-10:30 AM **Room:** A-225 **Instructor:** Stan Wright
Maximum number of participants: 22
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE105 Chemistry of Ice Cream

Learn the chemistry of making ice cream by exploring the phases of matter and freezing point depression. The scientific method will be applied in a hands-on, interactive demonstration where attendees will leave with not only knowledge, but with an individual serving of ice cream that they make during the workshop! Presented by Kahewai Environmental.

11-12 PM **Room:** A-225 **Instructor:** Will Bow
Maximum number of participants: 20
12:30-1:30 PM **Room:** A-225 **Instructor:** Will Bow
Maximum number of participants: 20
2-3 PM **Room:** A-225 **Instructor:** Will Bow
Maximum number of participants: 20
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12

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ODE111 Don't Drink the Water

How to make dirty water safe to drink with an emergency/survival water filter for purification & sterilization of water. Presented by Michael Myers.

12:30-1:30 PM **Room:** D-146 **Instructor:** Michael Myers
Maximum number of participants: 20
2-3 PM **Room:** D-146 **Instructor:** Michael Myers
Maximum number of participants: 20
Prerequisites: Grade 6 to Grade 12, Adults



ODE109 Emergency Preparedness in Hawaii

Review of the local disaster threats, alert and notification systems, individual and family preparedness kit (Go Kit), support for the Scouting Emergency Preparedness Merit Badge. Presented by City & County Honolulu - Dept of Emergency Management (DEM).

12:30-1:30 PM **Room:** D-140 **Instructor:** Robert Harter
Maximum number of participants: 25
2-3 PM **Room:** D-140 **Instructor:** Robert Harter
Maximum number of participants: 25
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE102 Everything You Want To Know About the Scouting Program

Informational presentation about the Scouting program for all age groups. Q&A session to answer all your questions. Presented by Aloha Council.

12:30-1:30 PM **Room:** A-220 **Instructor:** Evelyn Kauhola
Maximum number of participants: 25
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE104 Exploring the Magic in STEM

How math makes magic possible. Learn and perform math based tricks with interactive moments. Presented by the Magic Academy Hawaii.

9:30-10:30 AM **Room:** A-224 **Instructor:** Ron Ishimaru
Maximum number of participants: 20
11-12 PM **Room:** A-224 **Instructor:** Ron Ishimaru
Maximum number of participants: 20
12:30-1:30 PM **Room:** A-224 **Instructor:** Ron Ishimaru
Maximum number of participants: 20
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12



ODE103 Flying Simulators

4 simulators for anyone to experience virtual flying. Presented by the Civil Air Patrol,

9:30-10:30 AM **Room:** A-223 **Instructor:** Brian Teal
Maximum number of participants: 15
11-12 PM **Room:** A-223 **Instructor:** Brian Teal
Maximum number of participants: 15
12:30-1:30 PM **Room:** A-223 **Instructor:** Brian Teal
Maximum number of participants: 15
2-3 PM **Room:** A-223 **Instructor:** Brian Teal
Maximum number of participants: 15
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults

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ODE120 Fossils - The Tales They Tell

Explore the world of fossils and learn about the stories they can tell us. You will have a chance to see some real fossil specimens that are quite rare. At the end of the workshop you will be able to take home a really cool fossil specimen to start your very own fossil collection! Presented by Leeward Community College.

9:30-10:30 AM **Room:** D-253 **Instructor:** Roger Kwok
Maximum number of participants: 24
11-12 PM **Room:** D-253 **Instructor:** Roger Kwok
Maximum number of participants: 24
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE101 Fun in the Sun

Information about the sun, viewing the sun, hands on investigations with the sun and making UV (solar bead) bracelets. Presented by UH West Oahu.

9:30-10:30 AM **Room:** A-220 **Instructor:** BarbaraJean Kahawaii
Maximum number of participants: 20
11-12 PM **Room:** A-220 **Instructor:** BarbaraJean Kahawaii
Maximum number of participants: 20
Prerequisites: For Grade 1 to Grade 5



ODE108 Gateball Robotics Challenge

What is Gateball? Use a mallet and try to hit balls through the Gate. Cheer for students and adults using robots to play a modified Gateball game in exciting 1 vs 1 challenges. Presented by Hawaii Academy of Science, AFCEA, and Ohana Gateball Ma Ke Kai.

9:30-10:30 AM **Room:** C-225 **Instructor:** Art Kimura
Maximum number of participants: 20
11-12 PM **Room:** C-225 **Instructor:** Art Kimura
Maximum number of participants: 20
12:30-1:30 PM **Room:** C-225 **Instructor:** Art Kimura
Maximum number of participants: 20
2-3 PM **Room:** C-225 **Instructor:** Art Kimura
Maximum number of participants: 20
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE110 Getting Ready for College: The Search Starts Now

Choosing the right college is a big decision, but knowing where to start makes all the difference. In this session, you'll learn how to research and compare colleges based on academic programs, campus culture, and financial aid options. We'll also cover key high school choices-like coursework, extracurriculars, and test preparation-that can shape your college opportunities. Presented by UH West Oahu.

12:30-1:30 PM **Room:** D-141 **Instructor:** Martin Motooka
Maximum number of participants: 45
Prerequisites: Grade 6 to Grade 12, Adults



ODE123 I-Adventures: Teaching Computers to Think

A hands-on workshop for curious minds ages 10-18. Ever wondered how computers learn to recognize your face, recommend your favorite movies, or play chess? Join us for an exciting hour where we'll uncover the mysteries of Artificial Intelligence through fun, interactive activities! Presented by UH West Oahu - ACM.

9:30-10:30 AM **Room:** G-139 **Instructor:** Sharla Hanaoka
Maximum number of participants: 20
Prerequisites: Age 10 to 18

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ODE121 Life Is Better With Lomilomi!

Join us to learn about Lomilomi, a traditional Hawaiian Health approach. Participants will be able to take a break from the busy day to get centered, refocused and grounded. This workshop will offer an opportunity for some participants to receive a lomilomi and others may kilo / observe while Kumu Enrick shares more about what lomilomi is and what happens during a lomilomi session.

11-12 PM **Room:** E-132 **Instructor:** Ka'iulani Akamine
Maximum number of participants: 12
Prerequisites: Adults



ODE129 Mathematics in Japanese: Fundamental Concepts and Practical Applications

This lesson focuses on teaching basic mathematics in Japanese, covering both fundamental and intermediate concepts. Topics include arithmetic operations (addition, subtraction, multiplication, and division), linear functions, quadratic equations, exponential functions, factoring, and the FOIL method. Additionally, essential accounting terminology and real-world examples will be introduced to connect mathematical concepts with practical applications. Through interactive exercises and contextual learning, participants will enhance their mathematical proficiency while developing Japanese language skills in a structured and engaging environment. Presented by Hawaii Tokai International College

12:30-1:30 PM **Room:** D-238 **Instructor:** Shintaro Taniguchi
Maximum number of participants: 30
Prerequisites: Grade 6 to Grade 12, Adults



ODE130 Meet NASA Astronaut Dominic Antonelli

As a NASA astronaut, Dominic Antonelli is a veteran of two space flights and has logged more than 24 days in space. His first mission was as the pilot of STS-119 aboard Space Shuttle Discovery in March 2009. Antonelli also served as pilot on STS-132 Atlantis in May 2010, the 32nd Shuttle flight to the International Space Station. This mission was completed in 186 orbits, traveling 4,879,978 miles in 11 days and 18 hours.

Hear NASA Astronaut Dominic Antonelli speak about his thrilling experiences in space at 9:30 in the ACM building auditorium. An exclusive meet and greet with this distinguished astronaut will follow the presentation.

Registration is not required. Limited seating will be available on a first come, first served basis. The waiting line will form outside the ACM building. The presentation will also be shown on the large screen outside the ACM building.

9:30-10:30 AM **Room:** G Building ACM Auditorium **Instructor:** Dominic Antonelli
Maximum number of participants: 100
Prerequisites: For all ages



ODE118 Meteorites & Meteorwrongs

Participants will learn how to tell the difference between real meteorites (extraterrestrial objects) and meteorwrongs (Earth objects that are sometimes mistaken for meteorites). Everyone will get to touch real meteorites that are over 4 billion years old! Presented by the Hawaii Institute of Geophysics & Planetology, UH Manoa.

9:30-10:30 AM **Room:** D-238 **Instructor:** Barbara Bruno & Elena Dobrica
Maximum number of participants: 16
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE115 Photography & Digital Story Telling

Learn about how to be a better photographer, edit photos, and display on social media. SLR camera not needed, smartphone cameras are perfectly acceptable.

2-3 PM **Room:** D-150 **Instructor:** Michael Hubbard
Maximum number of participants: 35
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults

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ODE113 Profit and Loss Entrepreneur Game

Kids will get a chance to feel like a business owner. Their goal is to make a profit, which involves selling gold and considering the cost that comes with running a business. The goal will be tangible during the workshop: chocolate dug out of chocolate chip cookies. The more chocolate the kids dig out, the more money they will make. All will enjoy a sweet treat at the end. Presented by UH West Oahu.

9:30-10:30 AM **Room:** D-150 **Instructor:** Katie Landgraf
Maximum number of participants: 20
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE112 Propel Yourself - Propeller Car Build & Race

In this workshop you will learn how to design, build and then race your own propeller car. All tools will be provided. You will be able to take home your completed propeller car. Presented by Burns & McDonnell.

12:30-1:30 PM **Room:** D-145 **Instructor:** Laura Crane
Maximum number of participants: 15
2-3 PM **Room:** D-145 **Instructor:** Laura Crane
Maximum number of participants: 15
Prerequisites: Grade 1 to Grade 5



ODE119 Rubik's Cube Workshop

Do you want to impress your friends? We can teach you how to solve the Rubik's Cube. While we can't promise you'll be the next world record speedcuber, we'll do our best to teach you the foundations of solving a 3x3 cube. Also, we'll have speedcubing demonstrations from local speedcubers, a Rubik's Cube mosaic, a variety of twisty puzzles to try, a Rubik's Cube solving robot demonstration, a make-and-take cube activity and a Q&A session about cubing/speedcubing. Bring your own cube or you can use one of ours.

9:30-10:30 AM **Room:** D-250 **Instructor:** Yulee Yee Okazaki
Maximum number of participants: 15
11-12 PM **Room:** D-250 **Instructor:** Yulee Yee Okazaki
Maximum number of participants: 15
12:30-1:30 PM **Room:** D-250 **Instructor:** Yulee Yee Okazaki
Maximum number of participants: 15
2-3 PM **Room:** D-250 **Instructor:** Yulee Yee Okazaki
Maximum number of participants: 15
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE117 Save A Life - Hands Only CPR & AED Training. Grades 1-5.

This course provides attendees with the knowledge and skills to save lives by practicing Hands Only CPR with using an AED. It also encourage them to teach their family and friends to do the same. This course is sponsored by The Hawaii Heart Foundation, a 501(c)3 nonprofit organization, with the mission to improve the cardiac arrest survival rates in Hawaii. They teach two school age programs: KIDS4CPR (K-6) and Common Sense CPR (7-12) to promote the learning of lifesaving CPR and AED skills to keiki statewide. NOTE: This workshop will be 1.5 hours long and will extend 30 minutes beyond the normal 1 hour workshop time. It will run into the 30 minute break period.

9:30-10:30 AM **Room:** D-237 **Instructor:** Richard Ando
Maximum number of participants: 32
Prerequisites: Grade 1 to Grade 5



ODE125 Save A Life - Hands Only CPR & AED Training. Grades 6-12

This course provides attendees with the knowledge and skills to save lives by practicing Hands Only CPR with using an AED. It also encourage them to teach their family and friends to do the same. This course is sponsored by The Hawaii Heart Foundation, a 501(c)3 nonprofit organization, with the mission to improve the cardiac arrest survival rates in Hawaii. They teach two school age programs: KIDS4CPR (K-6) and Common Sense CPR (7-12) to promote the learning of lifesaving CPR and AED skills to keiki statewide. NOTE: This workshop will be 1.5 hours long and will extend 30 minutes beyond the normal 1 hour workshop time. It will run into the 30 minute break period.

12:30-1:30 PM **Room:** D-237 **Instructor:** Richard Ando
Maximum number of participants: 32
Prerequisites: Grades 6-12

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ODE114 Sharing Our Passion In STEM

Various faculty in our division will have several different interactive STEM activities that will expose keiki of all ages to engage with critical thinking, building confidence and enjoy learning different areas of STEM. UHWO Mathematics, Natural and Health Sciences.

11-12 PM **Room:** D-150 **Instructor:** Olivia George
Maximum number of participants: 24
 12:30-1:30 PM **Room:** D-150 **Instructor:** Olivia George
Maximum number of participants: 23
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults



ODE122 Take Your First Steps in Virtual Reality!

"First Steps for Oculus" is a beginner-friendly introduction to virtual reality (VR) using Oculus. Dive into interactive experiences, learn basic controls, and discover the magic of VR. Perfect for newcomers, it's a fun and easy way to start your VR journey with Oculus. Presented by UH West Oahu - Upena.

9:30-10:30 AM **Room:** G-139 **Instructor:** Gabriel & Stephen
 11-12 PM **Room:** G-139 **Instructor:** Gabriel & Stephen
Prerequisites: Grade 6 to Grade 12. NOTE to sign up for a 15 minute virtual reality session you must register separately through the Virtual Reality registration unit. The link is on The ODE Workshop registration home page.



ODE124 Uluniu - Coconut Grove

Come learn about the graceful and giving uluniu - coconut grove - at UH West Oahu. Learn about ike niu - coconut knowledge - that will help you understand why this plant is called the Tree of Life throughout the world. A food, water and rich cultural resource for living, the niu is a vital for our future needs. Come and learn from a 5-year old uluniu and from those who planted it. See, watch, listen, hear and question the knowledge uluniu gift us. 5 different varieties of the niu poko (dwarf). There are also ulu - breadfruit - to acknowledge as companions. Presented by UH West Oahu - Uluniu.

9:30-10:30 AM **Room:** Uluniu Coconut Grove **Instructor:** Manulani Meyer and Indrajit Gunasekara
Maximum number of participants: 25
 11-12 PM **Room:** Uluniu Coconut Grove **Instructor:** Manulani Meyer and Indrajit Gunasekara
Maximum number of participants: 25
Prerequisites: Grade 6 to Grade 12, Adults



ODE107 VEX IQ Invitational Scrimmage

The VEX IQ Robotics Scrimmage will feature elementary and middle school teams at this non-qualifying and fun event! This year's challenge, Rapid Relay, is a teamwork challenge game that requires two teams to pass balls between robots, score balls through targets, and clear switches. A new student role to this year's game, the Loader, gives students an opportunity to introduce balls directly onto the field, allowing for human-robot interaction. VEX Robotics is an educational robotics program that inspires students to excel in STEM principles while encouraging creativity, teamwork, leadership and problem solving among groups. This season there were 250 registered teams from Hawaii and over 1000 students participating in school, home and club robotics programs. Come and learn more about how you can bring VEX Robotics to your school! Presented by the Hawaii Space Grant Consortium.

9:30-10:30 AM **Room:** C-208 **Instructor:** Adria Fung
 11-12 PM **Room:** C-208 **Instructor:** Adria Fung
 12:30-1:30 PM **Room:** C-208 **Instructor:** Adria Fung
 2-3 PM **Room:** C-208 **Instructor:** Adria Fung
Prerequisites: Grade 1 to Grade 5, Grade 6 to Grade 12, Adults

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ODE116 Virtual Radio-Controlled Flight Simulators

This is an activity station where attendees are able to virtually fly radio-controlled aircraft. This activity will run continuously throughout the day. Presented by Pearl Harbor Aviation Museum. Registered attendees have first priority. Walk-ins will be accepted on a space available basis.

9:30-10:30 AM **Room:** D-151 **Instructor:** Ford Ebesugawa
Maximum number of participants: 18
11-12 PM **Room:** D-151 **Instructor:** Ford Ebesugawa
Maximum number of participants: 18
12:30-1:30 PM **Room:** D-151 **Instructor:** Ford Ebesugawa
Maximum number of participants: 18
2-3 PM **Room:** D-151 **Instructor:** Ford Ebesugawa
Maximum number of participants: 18
Prerequisites: Grade 3 to Grade 5, Grade 6 to Grade 12, Adults