



# 2024 Onizuka Day of Exploration

## Class Catalog

### Event Contacts

Name	Title	Phone	Email
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Registration opens March 22, 2024  
Visit [www.scoutingevent.com/104-2024ODE](http://www.scoutingevent.com/104-2024ODE) to register



## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE124

Session 2 11:15-12:15 PM  
Session 3 01:00-02:00 PM

D-250



#### American College of Surgeon's "Stop the Bleed" Instruction

A bleeding injury can happen anywhere. We've all seen it happen too often-on the news or in everyday life. Life-threatening bleeding can happen in people injured in serious accidents or disasters. Instead of being a witness, you can become an immediate responder because you know how to stop the bleed. The person next to a bleeding victim may very well be the one who's most likely to save him or her from bleeding to death. By learning how to stop the bleed, you'll gain the ability to recognize life-threatening bleeding and act quickly and effectively to control bleeding once you learn three quick techniques.

**Maximum number of participants: 20**

**Prerequisites:** Ages 7 to 70

### ODE132

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

E-2nd floor balcony



#### Archaeology Rocks! Mock Excavation Activity

This activity will take attendees through the process of archaeological excavation and interpretation. Attendees will recover and piece together the missing pieces from historic village life to learn how archaeologists solve the mysteries of the past.

**Maximum number of participants: 6**

**Prerequisites:** Ages 8 to 14

### ODE125

Session 1 10:00-11:00 AM  
Session 4 02:15-03:15 PM

D-250



#### Basic CPR and use of the Emergency Medical System

CPR should be used when you see someone who is unresponsive and is not breathing or only gasping. Having more bystanders trained in this simple skill can help save lives by putting more cardiac arrest victims within a few steps of live saving assistance. Learn the life-saving skills of how to perform CPR, use an AED, and respond to other life-threatening situations.

**Maximum number of participants: 20**

**Prerequisites:** Ages 7 to 70

### ODE120

Session 4 02:15-03:15 PM

D-141



#### Basic Fishing Class "Worm Drowning 101"

What you need to take youth fishing. Planning, tackle, bait, and locations. We can answer questions about the new CS Fishing Electives.

**Maximum number of participants: 30**

**Prerequisites:** All ages. This is mostly for training adults and older youth to plan, organize and do a fishing activity.

### ODE140

Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

A-223



#### 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!

**Maximum number of participants: 18**

**Prerequisites:** Ages 8 to 14

## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE109

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

A-225



#### Civil Air Patrol Flight Simulator

The hands-on approach of the flight simulator is designed to spark an interest in aviation for ages 12 and above, who are given opportunities for orientation flights and flight training within the Civil Air Patrol. These flight simulators should provide a realistic piloting experience as the youth begin their own flight training or aviation-related programs. These simulators aren't just for youth, as adults can also learn aerospace principles in the simulator environment, while learning how to become a pilot as well. All ages interested in Aerospace learning should check these out. You can also learn how to get your pilot's license by the age of 16 through Civil Air Patrol.

**Maximum number of participants:** 30

**Prerequisites:** Ages 10 and above

### ODE110

Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

A-225



#### Civil Air Patrol STEM Workshop

Students will be able to construct balloon-powered rockets to determine the amount of initial thrust needed to launch the rocket to the classroom ceiling. Students will be able to extend critical thinking and creativity to see if additional weights affect performance and engineer a way to get the greatest payload possible to the classroom ceiling. Other various STEM activities will include model rocketry, weather station learning, Bee/Bot Space Rover, Let's Go code, and Quadcopter static display. For ages 12 and up, these activities help explore aviation, space, and cyber programs.

**Maximum number of participants:** 30

**Prerequisites:** Ages 10 and above

### ODE141

Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

D-253



#### Don't Drink the Water

Dive into the fascinating world of water purification with our exciting STEM workshop, "Don't Drink the Water!" Led by the esteemed Professor Michael Myers, this hands-on experience will immerse you in the science and technology behind various water purification methods. During this interactive workshop, you'll discover the importance of clean water for our health and the environment, and learn about the challenges faced by communities worldwide in accessing safe drinking water. Participants will have the opportunity to explore different water purification techniques, ranging from simple filtration methods to advanced processes like reverse osmosis and UV treatment.

**Maximum number of participants:** 25

**Prerequisites:** Ages 8 to 13

### ODE147

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM  
Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

D-237



#### Drones and Coding in the Classroom

Students will engage in learning to safely pilot an indoor drone and learn how to code for autonomous flight. You will building confidence in the larger world of drone operations.

**Maximum number of participants:** 14

**Prerequisites:** Age 10 and older

## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE114

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM  
Session 3 01:00-02:00 PM

C-129 Naulu Center



#### E Malama, To Take Care

Students, grades PreK-3 and their ohana, will have the opportunity to engage with Hawaiian language in response to sustainability in terms of being able to take care of the forest, ocean, and stream. Three sessions will be offered and each session will engage conversation on different topics (forest, ocean, or stream). The sessions are intended to provide ohana with Hawaiian vocabulary and values that promote sustainability throughout Hawaii.

**Maximum number of participants: 20**

**Prerequisites:** 3-10 (preK-3rd grade) and their family members

### ODE123

Session 3 01:00-02:00 PM

D-238



#### Embracing Hawaiian Culture in STEM

Our presentation will showcase innovative approaches to integrating Hawaiian culture into STEM education, drawing from real-life examples. Attendees will learn how to create culturally responsive STEM lessons that honor Native Hawaiian heritage while aligning with NGSS standards. We will explore topics such as navigation, agriculture, lunar cycles, and storytelling, demonstrating how indigenous knowledge can enrich STEM learning experiences for students. By attending, participants will gain practical strategies for creating inclusive STEM classrooms that celebrate diversity and empower students to connect with their cultural identity while engaging in hands-on, relevant learning experiences.

**Maximum number of participants: 35**

**Prerequisites:** Middle school students to adults

### ODE143

Session 3 01:00-02:00 PM

E-132



#### Energy Efficiency and Climate Change

During our STEM Presentation at Onizuka day, your child can expect to participate in a fun and engaging STEM based workshop! We will go over key concepts around energy efficiency, climate change, and Hawaii's clean energy landscape. We will offer information on how students and families can save money and energy and contribute to a clean energy future. We will also introduce concepts in earth and atmospheric science, climatology, geology, and public policy.

**Maximum number of participants: 50**

**Prerequisites:** Ages 6 to 12

### ODE105

Session 3 01:00-02:00 PM

A-221



#### Everything You Want to Know About Scouts

Everything you want to know about Cub Scouts, Scouts BSA, Venturing, Exploring, and Sea Scouts, and why the Scouting program makes such a profound difference in the lives of boys and girls.

**Maximum number of participants: 25**

**Prerequisites:** Youth from age 6 up and their parent or other adult

## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE126

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

E-135



#### Fossils - The Tales They Tell

What can a fossil tell us? Aside from the obvious clues to the physical attributes of the creature(s) that once roamed the Earth, fossils also contain valuable information regarding behaviors of the creature(s) and the conditionals of the environment that they lived in. We will be examining several fossils and trying to piece together the clues that reveal some interesting stories behind each one.

**Maximum number of participants: 24**

**Prerequisites:** Age 8 (1st Grade) and above

### ODE135

Session 2 11:15-12:15 PM

G-111



#### Generative Art and Science

Transform computer code into unique interactive artworks. Experiment and discover ways to generate designs that are different each time your code runs. Participants will be introduced to JavaScript, the P5.js library, and many great resources to continue the journey as a code artist. Complete beginners are welcome!

**Maximum number of participants: 15**

**Prerequisites:** High School age

### ODE122

Session 1 10:00-11:00 AM

D-238



#### Getting Ready for College - Steps for Admissions and Financial Aid

Are you thinking about college or getting ready for the college selection journey? If you are, this workshop will give you insights of the college application process and understanding college financial aid. The presenters of this workshop will help you through the complex college selection/application process with the hope for participants to gain a better understanding of the path to college.

**Maximum number of participants: 40**

**Prerequisites:** Age 14 and older

### ODE131

Session 2 11:15-12:15 PM  
Session 3 01:00-02:00 PM

E-243



#### Healthcare Hygiene and Vital Signs

Children will learn the importance of hand hygiene. They will have the opportunity to see germs on their hands, and learn how to improve their handwashing skill/ability to help minimize risk to self and others. Flyers and fun worksheet activities will be available. Also, children will be able to see, touch, hold common vital signs equipment. There will be a match game with the equipment, and children can have their vital signs taken by trained individuals.

**Maximum number of participants: 15**

**Prerequisites:** 5 to 12 years old

### ODE119

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

D-141



#### Homemade Propeller Cars

See how a simple circuit can power a propeller and send your car to the races. In our workshop, we will explore electricity and the engineering design process with a hands-on activity. With our help, participants will build and race their own car using straws, Tupperware containers, and other common household items.

**Maximum number of participants: 15**

**Prerequisites:** Any age

## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE144

Session 3 01:00-02:00 PM



#### Knot Tying Contest

Test your knot tying skills by tying the 7 basic knots as fast as you can. Both youth and adults are welcome to compete. The prizes will include mask & snorkel sets and tickets to the Wet & Wild water park. The competition starts at 1:00 and you are welcome to come early to practice your skills.

**Maximum number of participants: 25**

**Prerequisites:** Ages 11 and older. Adults are welcome.

### ODE117

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

Session 3 01:00-02:00 PM

Session 4 02:15-03:15 PM

Naulu Outdoor Learning  
Space



#### Konane- Hawaiian Checkers

Konane is a Hawaiian board game of strategy and reflection. It is sometimes referred to as 'checkers' but there is a process to understanding how and when one moves! 8 boards will be open all day. Come, and learn how to play Konane and have fun!

**Maximum number of participants: 10**

**Prerequisites:** Age 10 and older

### ODE111

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

B-Library Lobby



#### Learn Charcoal Drawing

Join artists from the 7 Degrees North exhibit for hands-on workshops that add the "A for Arts" to STEM = STEAM! Lisette Yamase will demonstrate charcoal drawing and help participants get started on their first charcoal work of art! Check out the exhibit, as well, before you leave the library.

**Maximum number of participants: 10**

**Prerequisites:** Any age but keiki under 12 should have a parent or guardian to assist.

### ODE113

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

B-Library 1st floor, Ulu'ulu  
Exhibit Space



#### Learn How To Make Fiber Jewelry

Join artists from the 7 Degrees North exhibit for hands-on workshops that add the "A for Arts" to STEM = STEAM! Eola Lokebol with ladies from Safe Haven Center will get you started on making fiber jewelry! Check out the exhibit, as well, before you leave the library.

**Maximum number of participants: 10**

**Prerequisites:** Any age but keiki under 12 should have a parent or guardian to assist.

### ODE121

Session 2 11:15-12:15 PM

D-238



#### Local Emergency Preparedness

Local Emergency Preparedness for individuals and families. Ready for disasters in Hawaii. Prepare for natural and man caused disasters (i.e. hurricane, tsunami, flooding, fire, hazardous materials release, etc.).

**Maximum number of participants: 35**

**Prerequisites:** 11 years old to adults

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2024 Onizuka Day of Exploration at UH West Oahu

### ODE129

Session 2 11:15-12:15 PM

E-132



#### Lomilomi makes life better!

Join us to learn about Lomilomi, a traditional Hawaiian Healing modality and learn a quick seated / noho lomi. Take a break from the busy day to get centered, refocused and grounded. This workshop will require you to partner with another attendee and you will have a wonderful makana (gift) you can share with your loved ones to make your lives better. This interactive hands-on workshop will share a basic lomilomi intended for your home.

**Maximum number of participants:** 30

**Prerequisites:** 10 years old to adult

### ODE102

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

Session 3 01:00-02:00 PM

A-220



#### Magical Muses in STEM

Pattern recognition in math and puzzles that is applied in magic and STEM. This session will introduce several principles and concepts of STEM that magicians use when entertaining audiences. Presenters will demonstrate magic routines with explanations that include science and math principles to create amazing results. If time permits, participants will also have an opportunity to apply these principles to create their own magic.

**Maximum number of participants:** 20

**Prerequisites:** 9 and older. Younger children should be accompanied by an adult.

### ODE112

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

B-Library 2nd floor  
classroom



#### Make Better Portraits with a Phone Camera!

Join artists from the 7 Degrees North exhibit for hands-on workshops that add the "A for Arts" to STEM = STEAM! Floyd Takeuchi will show you how to Make Better Portraits with a Phone Camera! Check out the exhibit, as well, before you leave the library.

**Maximum number of participants:** 10

**Prerequisites:** Any age but keiki under 12 should have a parent or guardian to assist.

### ODE128

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

D-2nd floor balcony mauka  
end nearest courtyard



#### MakerSpace: DIY Instruments

Make an instrument! A bamboo nose flute modeled after the Ohe Hano Ihu (Hawaiian Nose Flute) or a simple drum... with the help of students from UH West Oahu's "Intro to Music Technology" class. Learn to play your new instrument and contribute your sound to the Sound Garden.

**Maximum number of participants:** 25

**Prerequisites:** All ages are welcome. Children 11 and under welcome with adult supervision

### ODE137

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

Student Organic Garden



#### Mlama 'Aina

At the heart of Hawaiian values is the concept of Mlama 'Aina, which means to care for and honor the land. This simple yet endangered practice is at the core of indigenous Hawaiian culture. The traditional Hawaiian value of Mlama 'Aina, which goes far beyond sustainability, has much to teach us about our relationship to the land and how to be a good custodian of it. Participants in this workshop will learn about the true and deeper meaning of caring for the land in Hawaii at the UH West Oahu Student Organic Garden.

**Maximum number of participants:** 25

**Prerequisites:** Elementary, middle, and high school students

## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE139

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

B-Library, 2nd Floor  
InfoCommons



#### **N Laau Hawaii o Honouliuli: Leaf Rubbing**

Immerse yourself in the beauty of Hawaii's native plants! In celebration of Native Hawaiian Plant Month, discover the unique flora of the islands and create beautiful leaf prints using leaves sourced from endemic plants found right here in the Honouliuli ahupuaa. This activity offers a wonderful opportunity to honor and appreciate the rich biodiversity of this land, and the importance of preserving and restoring native plant species. It's OK to drop in anytime between 9:00 and 1:00.

**Maximum number of participants: 50**

**Prerequisites:** All ages

### ODE116

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM  
Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

C-225



#### **Patch Trading**

Get ready for a thrilling journey into the world of Scouting! We're excited to present the Scout Patch Trading Station, an interactive and nostalgic experience that will bring Scouts and enthusiasts together. Join us in this captivating event and be a part of the excitement as you trade and collect unique patches that celebrate the spirit of Scouting! Open to everyone. OK to drop in any time.

**Maximum number of participants: 30**

**Prerequisites:** Ages 8 and above

### ODE138

Session 3 01:00-02:00 PM

D-141



#### **Photography and Digital Storytelling**

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

**Maximum number of participants: 30**

**Prerequisites:** Ages 12 and above

### ODE101

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM  
Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

A-219



#### **Pressure Relations**

Bringing light to pressure and other invisible forces, and how that can affect engineering.

**Maximum number of participants: 30**

**Prerequisites:** Older youth (grades 6-12)

### ODE106

Session 3 01:00-02:00 PM  
Session 4 02:15-03:15 PM

A-224



#### **Profit and Loss Entrepreneur Game**

Interested in entrepreneurship, money management, or cookies? Come have some fun with producing and selling cookies! This activity will taste so good and you will learn how businesses make profits.

**Prerequisites:** Ages 10 and above



## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE103

Session 1 10:00-11:00 AM

A-221



#### Rocket to Mars

Newton's Laws of Motion. Adapted from NASA's "Rockets" Educator Guide, the lesson uses a rocket to illustrate Newton's Third Law of Motion: for every action there is an equal but opposite reaction. Participants will construct a film canister rocket powered by antacid tablets and water. After building rockets in the classroom, participants will move outside and launch their rockets.

**Maximum number of participants: 24**

**Prerequisites:** 9-12 years old (grades 4-6). Parent/adult supervision for participants.

### ODE115

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

Session 3 01:00-02:00 PM

Session 4 02:15-03:15 PM

C-225



#### Rubik's Cube Workshop

Learn the steps to solving a Rubik's Cube with the beginner method, watch speedcuber demonstrations, Q&A with local speedcubers, learn how you can get involved with the local cubing community.

**Maximum number of participants: 30**

**Prerequisites:** Youth and Adults

### ODE118

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

Session 3 01:00-02:00 PM

D-140



#### Science is Fun

Science inquiry through hands on, minds on demonstrations and hands on activities designed to create wonder and curiosity

**Maximum number of participants: 40**

**Prerequisites:** Age 8 and above

### ODE127

Session 1 10:00-11:00 AM

Session 2 11:15-12:15 PM

D-1st floor mauka end  
nearest courtyard



#### Sound Garden

Enjoy an interactive sound garden (speakers, mixer, live mics, etc.) assembled by students of UH West Oahu's "Intro to Music Technology" class, featuring natural and synthesized sounds, original songs written and produced by UHWO songwriting students, and sound from YOU. Learn about sound with Max, the "playground for invention" software from Cycling74. Participants can come and go any time during the session.

**Maximum number of participants: 25**

**Prerequisites:** All ages are welcome; children 11 and under welcome with adult supervision

### ODE108

Session 4 02:15-03:15 PM

A-221



#### Sound The Alarm

Presented by the American Red Cross of Hawaii, the Sound The Alarm workshop will offer the "Be Red Cross Ready" program covering escape plans, home safety, pet safety and evacuation planning. All participants will have the opportunity sign up for a free smoke alarm and installation.

**Maximum number of participants: 20**

**Prerequisites:** Any age

## Class Catalog

2024 Onizuka Day of Exploration at UH West Oahu

### ODE107

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

A-224



#### STEM Bucket Challenge

Who's ready to put their brainpower and skills to the test? In this fun challenge, you'll need to get creative and craft a tool using specific items to grab objects from a bucket with an altered cover. Can you do it?

**Maximum number of participants:** 25

**Prerequisites:** 5th grade and higher

### ODE130

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

E-234



#### The Bone Lab

Compare the skeletons of numerous animals to understand how their environment shapes their bodies.

**Maximum number of participants:** 10

**Prerequisites:** 8 and older. Parents are welcome to attend with their keiki!

### ODE136

Session 1 10:00-11:00 AM  
Session 2 11:15-12:15 PM

Hale Kuahuokala



#### Uluniu - Coconut Grove

Honoring our coconut heritage begins by understanding the niu (coconut) as a food resource and as the "Tree of Life" throughout 'ina moana (Oceania). This workshop offers participants the ability to walk through a 3-year-old uluniu (coconut grove) with 6 unique niu poko (dwarf coconut tree) and 4 different kumu ulu (breadfruit tree). Discussions of the CRB - Coconut Rhinoceros Beetle - will also be shared.

**Maximum number of participants:** 20

**Prerequisites:** Any age (youth to adult)

### ODE104

Session 2 11:15-12:15 PM

A-221



#### Whirligig Test Flight

Participants will construct a paper helicopter to explore the forces that affect flight.

**Maximum number of participants:** 15

**Prerequisites:** Ages 6 - 9 (grades 1-4). Parent/adult supervision for participants.



# 2024 ONIZUKA DAY SPECIAL EVENTS

## MEET NASA ASTRONAUT WARREN HOBURG



Warren “Woody” Hoburg was selected by NASA to join the 2017 Astronaut Candidate Class. Hoburg launched to the International Space Station as Pilot of NASA’s SpaceX Crew-6 mission aboard a SpaceX Crew Dragon spacecraft on March 2, 2023.

After splashing down safely in a SpaceX Dragon spacecraft off the coast of Jacksonville, Florida on September 4, 2023, NASA’s SpaceX Crew-6 completed the agency’s sixth commercial crew rotation mission to the International Space Station.

Woody Hoburg has logged 186 days in space over his increment (Expedition 69) for a total of 186 days in space on his first flight. Hoburg conducted 2 EVAs totaling 11 hours, 38 minutes.

Before and after his captivating presentation about what it’s like to be a NASA astronaut and live in space, Woody Hoburg will be available for meet-and-greets, photos, and answering your most important questions about space exploration!

The presentation will start at 10:00 am in the G (ACM) building, room 131. Seats are limited for this once-in-a-lifetime opportunity, and are available only on a first come, first served basis. Come early and embark on a cosmic journey with a real NASA astronaut! See you there, space enthusiasts!

## NOAA INFLATABLE WHALE

The National Oceanic and Atmospheric Administration (NOAA) will bring an inflatable juvenile humpback whale. It is 45 feet long and 32 feet wide.

Attendees will be able to tour inside and learn more about whale anatomy and structure. You will see how humans share some interesting similarities with whales. Tours will include the outside of the whale and general Hawaiian Humpback Whale information too. There will be fun and interesting items like a cross section of baleen.

NOAA will also have an educational table where everyone can learn, play games, and win fun prizes. NOAA fisheries will have a table near the whale with hands-on activities.

## **TEHRELL PORTER DESIGNS LIVE MURAL: 3D SPACEMAN**

Discover the captivating intersection of art and exploration with Tehrell Porter at this year's Onizuka Day of Exploration. Born in Charlotte, NC, and raised amidst the changing landscapes of America, from Indianapolis, IN, to the vibrant shores of Honolulu, HI, Tehrell's life has been a journey of survival, solitude, and creativity. Drawing inspiration from nature and the profound lessons it offers, Tehrell has embraced art as a means to connect, grow, and express his authentic self.

An extraordinary muralist and designer, Tehrell stands out with his specialization in 3D anamorphic art, possibly the only Black anamorphic muralist on this side of the Pacific. His journey from making cold calls for mural opportunities to showcasing his talent in prominent spaces highlights a dedication to his craft that inspires and awes.

At Onizuka Day, Tehrell will present a 3-D spaceman, inviting us into his world where art is not just seen but experienced, urging us to explore beyond our boundaries.

Through Tehrell's eyes, we are reminded that art, like exploration, is a journey filled with emotions and discoveries that define our purpose. Join us in celebrating Tehrell Porter's incredible journey and witness his stunning 3-D spaceman exhibit—a testament to the power of art, imagination, and the indomitable human spirit to explore the unknown.

## **VEX ROBOTICS TOURNAMENT**

VEX IQ robotics for students in grades 4-8, is the largest scholastic robotics program in Hawaii with 153 teams in the current year. 18 Hawaii teams are competing in the World Championships in Dallas, Texas. Each year the game challenge changes which fosters students learning and practicing engineering design, computer programming, and life skills like teamwork and problem solving.

Join us in room C-208 and cheer on the 20 teams as they try to score points by collecting and launching plastic pucks. Want to start a robotics program at your school or your scout unit? Find out what grants are available and how to get started.

## **PINEWOOD DERBY**

The Pinewood Derby is the wood car racing event of the Boy Scouts of America. With the help of adults, Cub Scouts use kits to build miniature cars from pine wood, equipped with plastic wheels and metal axles

Each Cub Scout pack has its own Pinewood Derby, and then is allowed to enter the top three finalists in the Aloha Council Pinewood Derby Championship. The championship will be held this year at Tokai College, a short walk from the UH West Oahu campus.

Races are from 10:30 am to 12:00 noon, and from 1:00 to 2:30. The final championship is from 3:00 to 3:45. All are invited to attend and cheer for the young racers.

## **KNOT TYING CONTEST**

Test your knot tying skills by tying the 7 basic knots as fast as you can. Both youth and adults are welcome to compete. The winners will receive prizes including mask & snorkel sets and tickets to the Wet & Wild water park. The competition starts at 1:00 and you are welcome to come early to practice your skills. The Knot Tying Contest is provided by the world-famous GOATS (Gurus of All Things Scouting).

## **SPEED CUBING**

Witness firsthand the lightning-fast skills of our talented competitors as they battle it out for cubing supremacy. Enjoy live demonstrations and learn advanced solving techniques from experienced speedcubers. Test your own cubing abilities and try your hand at solving a variety of twisty puzzles. Come for sessions 1, 2, 3, or 4 in room C-225, or drop in anytime from 10:00 to 3:00.

## **PATCH TRADING**

Get ready for a thrilling journey into the world of Scouting at the Onizuka Day of Exploration! We're excited to present the Scout Patch Trading Station, an interactive and nostalgic experience that will bring Scouts and enthusiasts together.

Join us in this captivating event and be a part of the excitement as you trade and collect unique patches that celebrate the spirit of Scouting! Open to everyone. Come for sessions 1, 2, 3, or 4 in room C-225, or drop in anytime from 10:00 to 3:00.

## **BLOOD DRIVE WITH HAWAII BLOOD BANK: SAVE A LIFE, MAKE A DIFFERENCE**

Join us for the Onizuka Day Blood Drive with the Hawaii Blood Bank. By donating blood, you have the power to save lives and make a significant difference in your community.

The blood drive will take place from 9 am to 3 pm, giving you ample time to contribute to this life-saving cause. The process has never been easier or more convenient, and your donation can have a lasting impact on someone in need.

To streamline your experience, we encourage you to register now and schedule an appointment ahead of time. This will ensure a smooth process, allowing you to focus on the impact your donation will make.

Don't miss this opportunity to take part in the Hawaii Blood Bank blood drive at the Onizuka Day Exposition. Give blood, save a life, and be the change you wish to see in the world. Together, we can create a brighter future for those in need.

Please make an appointment here: [Blood Bank Appointments for ODE](#)

## **BIG KAHUNA CHESS TOURNAMENT**

80 Proficient Chess Players Needed!

Do you have what it takes to walk away with the BIG KAHUNA GRAND TROPHY? Is the Big Kahuna Chess Tournament on your bucket list for ODE? Which Chess Piece is your greatest ally? Only the best will make it to the finals. You have 5 rounds, single elimination. Who said age is a number when it comes to chess? Sign-up today (80 slots will go fast).

Priority pre-sign up online at <https://scoutingevent.com/104-83234>. Walk-ins accepted on first come, first serve basis. 2 Players per table. 25 minutes per game. 5 rounds of single elimination games. No sudden death points per piece.

**BIG KAHUNA** is for ages 8 thru 17 in sessions A, B, C, and D

**KEIKI KAHUNA** is for ages 7 thru 10 in session E.

Session A. 9:00 am. BIG KAHUNA. Ages 8 thru 17

Session B. 9:30 am BIG KAHUNA. Ages 8 thru 17

Session C 10 am. BIG KAHUNA. Ages 8 thru 17

Session D 10:30 am. BIG KAHUNA. Ages 8 thru 17

Session E. 11 am. KEIKI KAHUNA. Ages 7 thru 10 only

Places of finalists will be determined during final runoff from 2:30 to 3:00pm.

Every player will receive a participation ribbon. Finalists will receive trophies.

### **BIG KAHUNA CATEGORY**

Big Kahuna - First Place

Kahuna - 2nd Place

1 Menehune - 3rd Place

### **KEIKI KAHUNA CATEGORY**

Session E Only (ages 7 thru 10)

Keiki Kahuna - First Place (ages 7 thru 10)

1 Menehune - Runner Up Keiki Kahuna

ANNOUNCEMENT OF WINNERS WILL BE AT THE ODE CLOSING. YOU MUST BE PRESENT TO WIN.

To register for the Big Kahuna Chess Tournament: <https://scoutingevent.com/104-83234>