

## 2023 NHD-OC Contest Results

### Elementary Individual Poster

	Students	Entry Title	School
Champion	Sean Hisakado	Corps of Discovery: Crossing the Western Frontier	Olinda Elementary
Champion	Alythea Leung	Jonas Salk: Frontier of Combating Polio	Olinda Elementary

### Elementary Group Poster

	Students	Entry Title	School
Champion	Poiema Bernier Lucas Menendez	Beyond the Space Race: The Space Frontier's Lasting Significance	Acaciawood Preparatory Academy
Champion	Stephanie Armas Milania Borgelt	Marie Curie: Frontier in Radioactive Research	Olinda Elementary
Champion	Kristen Jutiyasantayanon Leia Lai	Transcontinental Railroad: Easy Access to the Western Frontier	Olinda Elementary

### Elementary Individual Podcast

	Students	Entry Title	School
Champion	Quinn Han	Hela Cells: New Frontiers in Biomedical Research and Privacy Laws	Olinda Elementary
Champion	Lexie Holland	Turning It Up to 11: The Electric Guitar's Multiple Frontiers in History	Santiago Hills Elementary
Champion	Aarav Pal	The Newsboys Strike: Frontiers in Child Labor Laws	Olinda Elementary

### Elementary Group Podcast

	Students	Entry Title	School
Champion	Aaron Lee Arjun Rajkumar Liam Ruidera Riley Siocheng	Sputnik: The Frontier to Space Exploration	Olinda Elementary
Champion	Ava Mammen Viraaj Sehgal	Apple Computer: Frontiers in Personal Computers	Olinda Elementary

### Junior Individual Documentary

	Students	Entry Title	School
Runner-up	Aahana Soni	Synthetics and Literature: Rachel Carson at the Frontier	Sierra Vista Middle School
Champion	Hailey Brennan	Motown Records: Pioneering Black Music Representation in the Billboard Charts	Sierra Vista Middle School
Champion	Mahima Wuppalapati	Germ Theory: How an Idea Revolutionized the Medical Field	Beacon Park K-8 School
Champion	Erica Pan	From Mold to Wonder Drugs: Crossing Pharmaceutical Frontiers	Venado Middle School

### Junior Group Documentary

	Students	Entry Title	School
Runner-up	Maddox Gutierrez Van Gutierrez	The Frontier of Nuclear Warfare	Shorecliffs Middle School
Champion	Adit Bathla Saurav Verma Ben Liu	Food, Drug, and Cosmetic Act of 1938: A Frontier in Medical Regulation	Sierra Vista Middle School
Champion	Aashrita Atmakur Andie Arkun	A Beautiful Day in the Neighborhood: Mister Rogers, a Pioneer in Children's Education	Sierra Vista Middle School
Champion	Maximilian Munoz Joleen Vansomphone	Posthumous Immortality: How Mrs. Lacks Unknowingly Pioneered the Path to Modern Medicine	Dwyer Middle School
Champion	Isabella Cuellar Omar Galindo	Transcontinental Railroad	MacArthur Fundamental Intermediate School

### Junior Individual Exhibit

	Students	Entry Title	School
Runner-up	Addison Carey	Clara Barton: On the Frontier of Modern Medicine	Shorecliffs Middle School
Champion	Landon Han	The Famous Step: Frontier in Political, Military, and Technological Advancements	Sierra Vista Middle School
Champion	Charlotte Nethers	From Military Secret to Public Good: How the Global Positioning System Forged a New Frontier	Brea Junior High School
Champion	Shelley Qi	Act Like Women, Play Like Men: A Frontier in Women's Sports	Venado Middle School

### Junior Group Exhibit

	Students	Entry Title	School
Runner-up	Edie Youmans Amanda Rahimi Avni Peddha	The Falling of the Berlin Wall	South Lake Middle School
Champion	Sofia Jackson Madison Khang Kelli Toshima Anna Yi	Title IX: Pioneering Access to Women's Education and Athletics	Sierra Vista Middle School
Champion	Daksh Bhatnagar Andrew Lai Maxx Tan Siddharth Singh	A Dangerous Frontier: The Devastating Significance of Fritz Haber	Venado Middle School
Champion	Anna Cao Jennica Alixes	123 Sesame Street: The Frontier of Childhood Growth	Sierra Vista Middle School

## Junior Historical Paper

	Students	Entry Title	School
Runner-up	Rien Anand	The Impact of the 1918 Pandemic on Frontiers in Science and Society	Venado Middle School
Champion	Lucy Burke	Hollywood: Crossing Frontiers in the Film Industry	Shorecliffs Middle School
Champion	Minji Choi	From Realistic to Abstract: Dadaism, A Frontier to Irrationality	Sierra Vista Middle School
Champion	Vincent Hacker	Beringia: The Lost Frontier	Irvine Virtual Academy Middle School

## Junior Individual Performance

	Students	Entry Title	School
Champion	Mischka Rajula	Visionary Frontier: Patricia Bath Deserving Vision for All	Sierra Vista Middle School
Champion	Audrey Kim	A Frontier of the American Women War Correspondent: Marguerite Higgins; A Dauntless Woman Who Lit the Torch of Gender Equality	Sierra Vista Middle School
Champion	Kylee West	From the Ashes: The Triangle Fire and a Frontier in Labor Conditions	Venado Middle School

## Junior Group Performance

	Students	Entry Title	School
Runner-up	Preston Holtzman Jeremy Hunter	The Thomas Splint to the Rescue	Dwyer Middle School
Champion	Cara Lee Jana Abdallah Vivian Pham	The Sparks of Chemical Warfare: Agent Orange	Venado Middle School
Champion	Anushree Patankar Aanya Mody	From Working in a Kitchen to Working in a Factory: How Propaganda Formed a Frontier in Women's Equality	Venado Middle School
Champion	Diane Almaoui Charlotte Collins-Williams Sumayya Jaffer Kasia Lien Maya Marfatia	The Grimké Sisters: Pioneers for Women and Equality	Sierra Vista Middle School

### Junior Individual Website

	Students	Entry Title	School
Runner-up	Lahari Donghre	Forging Frontiers	Venado Middle School
Champion	Jacob Dinh	Artists and Activists: Jazz Musicians Leading the Civil Rights Movement	Venado Middle School
Champion	Madeline Cheng	Overthrowing Machinery: The Luddite Rebellion, Frontier Against Modern Technology	Sierra Vista Middle School
Champion	Frankie Holland	A Breath of Fresh Air: How California Became the Birthplace of Frontiers in Clean Air	Irvine Virtual Academy Middle School

### Junior Group Website

	Students	Entry Title	School
Runner-up	Alex Alvord Jason Alvord	The Meiji Restoration: The Greatest Frontier	Shorecliffs Middle School
Champion	Karis Lin Thalia Mao Alison Wen	The Antiquities Act of 1906: Theodore Roosevelt's Preservation of National Parks	Venado Middle School
Champion	Ansh Gosain Matthew Lee	Negotiating Identity at the Frontier: The Role of the Carlisle School in Forced Cultural Assimilation	Sierra Vista Middle School
Champion	Zixuan Cui Yongjing Li Isabelle Yang	Amy Tan: Pioneering the Chinese American Experience in Western Media	Sierra Vista Middle School

### Junior Individual Podcast

	Students	Entry Title	School
Runner-up	Leila Yu	Scientific Frontiers in History: Alfred Wegner & Continental Drift Theory	Venado Middle School
Champion	Miles Leung	The Space Race: A Frontier in Technology and Education	Sierra Vista Middle School
Champion	Jeshwin R Chettiar	Charge It: Breaking the Economic Frontier Through the Diners Club Charge Card	Venado Middle School
Champion	Vera Xing	Elizabeth Garrett Anderson: Crossing Frontiers by Becoming "Firsts" for Women in England	Sierra Vista Middle School
Champion	Lina Yoon	Kareisky: Korean Pioneers in Central Asia During the Soviet Ethnic Purges	Robert C. Fisler Elementary School

### Junior Group Podcast

	Students	Entry Title	School
Runner-up	Melanie Lopez Brandon Matamoros Aaron Pimentel-Parra Manny Rosas-Alamo James Smith	Apollo 11: Opening the Final Frontier Through Space Exploration in the 1960's	Dale Jr. High School
Champion	Milo La Ruffa Luis Rodriguez	The Bomb that Revolutionized the World	Dwyer Middle School
Champion	Alexander Hong Soren Qualls	How Transistors Opened New Frontiers in Technology	Olinda Elementary
Champion	Zoya Ahmed Cindy Lin	Pioneering Reconstructive Surgery in WWI: The Knife That Gives Back Life	Sierra Vista Middle School

### Senior Individual Documentary

	Students	Entry Title	School
Runner-up	Luke Stark	A Rebel with a Cause: How Dolores O’Riordan of the Cranberries Broke Political Frontiers Through Music	Orange County School of the Arts
Champion	Leanna Lo	Edward Bernays: Establishing the Public Relations Frontier	Northwood High School
Champion	Kaia Paul	HeLa: How One Cell Line Transformed Medical Science and Human Rights	Irvine High School
Champion	Hannah Cho	Cam-Era: Gordon Parks, Confronting Frontiers to Show America to Itself	Northwood High School

### Senior Group Documentary

	Students	Entry Title	School
Runner-up	William Lee Harmony Yan-Li	A Taste of American Life: McDonald's on the Russo-American Frontier	Irvine High School
Champion	Brian Kim Tyler Kim Ian Yoon	Choreographing Freedom: How “Seo Taiji and Boys” Began the Cultural Frontier of Hallyu That Redefined South Korea	Portola High School
Champion	Elizabeth Choi Aidan Jang Ayla Shamsnia	Mary Ann Shadd Cary: A Trailblazer in the Frontiers of Race and Women’s Rights	University High School
Champion	Moksha Kolli Ritika Kumar	The Man Who United Two Frontiers: How Fritz Haber Killed Millions and Nourished Billions	Northwood High School



## Senior Individual Exhibit

	Students	Entry Title	School
Runner-up	Emily Yi	Protests, Patriotism and Politics: How the March First Movement Established a New Frontier for Korean Democracy and Independence	Orange County School of the Arts
Champion	Baran Daliri	Edward Jenner's Experimentation: Pushing the Frontier of Science and Transgressing Ethical Boundaries	University High School
Champion	Megan Liu	Extending the Fashion Frontier: Elizabeth Smith Miller & the Bloomers	Northwood High School
Champion	Brandon Liu	The Reagan-Gorbachev Summits: Forging Frontiers in Diplomacy, Democratization, and Human Rights	Woodbridge High School

## Senior Group Exhibit

	Students	Entry Title	School
Runner-up	Reinina Zhang Helen Han Nethra Iyer Divya Agarwal	Unveiling the CIA's Hidden Projects: How the Church Committee Expanded Human Rights	University High School
Champion	Philip Park Kayla Fu Jian Shin Sol (Sarie) Kwak Sean Yu	"Maps to Apps": How the NAVSTAR GPS Advanced Frontiers in Satellite Navigation	Northwood High School
Champion	Alexis Low Lauren Low	Build a Baby: Frontiers in Artificial Insemination and the Fight for Fertility	Northwood High School
Champion	Kaixuan (Kevin) Hu Grace Yang	The Father of Europe: How Charlemagne Revolutionized Medieval Europe for Centuries	Sage Hill School

## Senior Historical Paper

	Students	Entry Title	School
Runner-up	Nash Wu	The Atomic Frontier: The Global Effects of the Manhattan Project	Woodbridge High School
Champion	Emma Clark	Marie Curie: The Radioactive Frontierswoman	Calvary Chapel High School
Champion	Vismaya Sista	Dot Dot Dot: How Braille Transcends the Limits of 19th-Century Communication	Portola High School
Champion	Julianne Wu	How the Polio Vaccine Penetrated the Iron Curtain: Reaching New Frontiers in Global Health Diplomacy	University High School
Champion	Natalie Miller	A Crime Without a Name: Raphael Lemkin and the Genocide Convention	Woodbridge High School

### Senior Individual Performance

	Students	Entry Title	School
Runner-up	Alex Lingerfelt	Pedro II: The Overlooked Frontier	Portola High School
Champion	Jaehee Jung	Sa-I-Gu: The Truth Behind LA's Racial Frontier for Korean Americans	Orange County School of the Arts
Champion	Rose Chhabria	New Frontiers in Public Health: Florence Nightingale's Pioneering Discoveries in Medicine	Northwood High School
Champion	Susan Kim	Yun Isang and the East Berlin Affair: Exploring the Frontiers of Music Through Styles and Borders	Northwood High School

### Senior Group Performance

	Students	Entry Title	School
Runner-up	Kevin Choi Zidong Hu Jinpeng Tang Zhijie (Eric) Yang Evan Zhong	From Empire to Republic: The Xinhai Revolution and the Birth of Modern China	University High School
Champion	Niharika Mahesh Emily Yokota	Carol Hanschinc: Preparing the Women of America	Northwood High School
Champion	Ava Bliaya Allen Carriedo Cassandra Cortez Eugene Kwon	Ryan White: (Minor)ity in the Media	Samueli Academy
Champion	Hailey Chen Dory Meng Ivy Wang	The Wonder Drug Penicillin: The Original Antibiotic and Frontier of Scientific Advancement	University High School

### Senior Individual Website

	Students	Entry Title	School
Runner-up	Alyssa Tang	The Medical Device Amendments of 1976: Crossing Frontiers in Public Health with the Regulation of Diagnostic and Therapeutic Devices	University High School
Champion	Ethan Chen	The Prague Spring: Pursuing Freedom in a New Frontier of Individual Liberty	Northwood High School
Champion	Nagyung (Anna) Cho	Clara Barton and the American Red Cross: Pioneering Frontiers in Veteran Healthcare	Northwood High School
Champion	Zhongwen Zhang	Cookie Cutter Frontiers: Levittown and American Suburbanization	Irvine High School

### Senior Group Website

	Students	Entry Title	School
Runner-up	Jennifer Choi Sophie Kim	The Korean Demilitarized Zone: How a Hostile Frontier Resulted in Social Isolation for Millions	Orange County School of the Arts
Champion	Rachel Kim Bernice Hung	“There’s Blood on Those Grapes”: How the Delano Grape Strike Sprouted a Frontier for Working Conditions	Portola High School
Champion	Jayla Chan Aarav Putrevu	How the Other Half Lives: Exploring New York’s Tenements through Photojournalism	Sage Hill School
Champion	Nataly Lopez Sofia Sevilla	Turn Off the AC: Saving the Depleting Ozone with the Montreal Protocol	Samueli Academy

### Senior Individual Podcast

	Students	Entry Title	School
Champion	Christopher Lee	The Ideological Frontier of National Socialism in Interwar Germany	Portola High School
Champion	Megan Vahdat	Break Point: Transgender Athlete Renée Richards' Fight to Expand the Frontiers of Women's Tennis	Sage Hill School

### Senior Group Podcast

	Students	Entry Title	School
Champion	Luba Al-Khalil Jonathan Rho	The March on Selma; Pioneering Frontiers One Step at a Time	University High School