



Broadcom MASTERS

2014 Semifinalists

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About Broadcom MASTERS

Broadcom MASTERS® (Math, Applied Science, Technology and Engineering Rising Stars), a program of Society for Science & the Public, is the premier middle school science and engineering fair competition.

SSP affiliated science fairs around the country nominate the top 10% of 6th, 7th and 8th grade students to enter this prestigious competition. After submitting the online application, 300 semifinalists are selected and 30 finalists are brought to Washington, DC. Finalists present their research projects and compete in team hands-on STEM challenges to demonstrate their skills in critical thinking, collaboration, communication and creativity.

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- Samueli Foundation
- *Science News for Students*
- Deloitte.
- Allergan
- Sally Ride Science
- Q?rius
- The JASON Project
- Wolfram Research
- Affiliated Regional and State Science & Engineering Fairs
- Parents, Teachers and Mentors of the 2,054 Broadcom MASTERS entrants

2014 Broadcom MASTERS Semifinalists

Students are listed in order by state, fair, and name of school based on information provided by each student in their entry. Students listed under the state fair may also have qualified through their regional fair. Students conducting team projects were eligible, but each student individually entered and was judged based on the submitted written entry. The grade listed for each student is from Spring 2014 when they qualified at their science fair.

Arizona

USAZ03

Southern Arizona Regional Science and Engineering Fair

Home School Giordano, Tucson, Arizona

Daniel Anthony Giordano (Grade 6)

Tucson, Arizona

Javelina Cantina

Thai Homeschool, Tucson, Arizona

Claire Jeanne Thai (Grade 8)

Tucson, Arizona

Phytoremediation of Heavy Metal Ions by Aquatic Macrophytes

Vail Academy and High School, Tucson, Arizona

Matthew Lane Fosdick (Grade 6)

Corona De Tucson, Arizona

Thar's Zircons in Them Thar Hills!

USAZ50

Arizona Science and Engineering Fair

Anthem Preparatory Academy, Anthem, Arizona

Nicole Elizabeth Sherwood (Grade 8)

Anthem, Arizona

Modeling Enzyme Suppression as a Treatment for Pancreatic Cancer

Hardin Homeschool, Chandler, Arizona

Alexander Wesley Hardin (Grade 8)

Chandler, Arizona

PMID Feasibility Experiment

Mesa Academy for Advanced Studies, Mesa, Arizona

C.G. Schultz (Grade 7)

Mesa, Arizona

Primitive Triangles Incognito: An Application of Pick's Theorem

Shepherd Junior High, Mesa, Arizona

Delaney Brynn Matasic (Grade 8)

Mesa, Arizona

Modifying Serum Triglycerides in a Group of Dogs

Arkansas

USAR05

Central Arkansas Regional Science Fair

LISA Academy, Little Rock, Arkansas

Meghana Chowdary Bollimpalli (Grade 7)

Little Rock, Arkansas

Biodiesel: Fueling the Future?

LISA Academy, Little Rock, Arkansas

Chythanya Murali (Grade 8)

Little Rock, Arkansas

Saving the Aquatic Ecosystem from Oil Spill Cleaning Agents: A Non-Conventional Approach

California

USCA01

Orange County Science and Engineering Fair

Acaciawood College Preparatory Academy, Anaheim, California

Joseph Daniel Lou (Grade 6)

Anaheim, California

How Costly Is Your Multitasking? A Computer-Assisted Quantitative Study of Age and Gender Differences in Switching Costs in Time and Accuracy

Fairmont Private School, North Tustin, California

Sahar A. Khashayar (Grade 8)

Laguna Niguel, California

Wildfire Early Warning System Using Computer Science

Fairmont Private Schools - Anaheim Hills, Anaheim Hills, California

Sherry Yueh Xu (Grade 8)

Fullerton, California

Light It Up: The Energy Efficiency of Light Bulbs

Jeffrey Trail Middle School, Irvine, California

Jeffrey Wang Xing (Grade 8)

Irvine, California

The Study of Levitation Distance and Stability Range in Diamagnetic Levitation

La Madera Elementary, Lake Forest, California

Tathya Vipul Shah (Grade 6)

Lake Forest, California

Smart Electricity

Rancho San Joaquin Middle School, Irvine, California

Anita Garg (Grade 8)

Irvine, California

The Effect of Competition on a Problematic Invasive Species, Brassica nigra

Renascence School International Orange County, Costa Mesa, California

Amelia Ryann Talkington (Grade 8)

Corona del Mar, California

Impact of Simulated Stomach Acid on Microorganism Growth in Organic and GMO Soybean/Yogurt Cultures

Talbert Middle School, Huntington Beach, California

Caroline S. Edmonds (Grade 7)

Fountain Valley, California

Blink and Run: Flashlight Fish

USCA01 and

USCA50

Orange County Science and Engineering Fair

California State Science Fair

Pioneer Middle School, Tustin, California

Michelle C. Xu (Grade 8)

Irvine, California

A Mathematical Model of Leaf Counting for Carbon Sequestration

California
USCA02

Los Angeles County Science and Engineering Fair

Mirman School, Los Angeles, California

David Michael Duncan (Grade 7)

Los Angeles, California

What's in the Meat We Eat? Detecting Antibiotics in Beef, Pork and Chicken from Grocery Stores in an Economically Diverse City

Portola Highly Gifted Magnet Center, Tarzana, California

Isaiah Logan DeWitt O'Neal (Grade 7)

Los Angeles, California

For the Venus Flytrap, Does Food Type Affect the Speed of a Trap's Closing and the Duration of the Trap's Closed State?

Richard Henry Dana Middle School, Arcadia, California

Benjamin Cheung Liu (Grade 7)

Arcadia, California

A Home-made, Microfabricated Lab-on-a-Chip Device for Urinalysis

St. Gregory Hovsepian School, Pasadena, California

Daniel Stephan Yacoubian (Grade 8)

Glendale, California

Using a Car's Tailpipe to Create Electricity

Weizmann Day School, Pasadena, California

Aaron Kornfeld (Grade 6)

Pasadena, California

Rolling Down a Hill

USCA02 and
USCA50

Los Angeles County Science Fair
California State Science Fair

Portola Highly Gifted Magnet Center, Tarzana, California

Sophia Marguerite Hewitt (Grade 8)

Los Angeles, California

Inducing Cellular Senescence in Tetrahymena thermophila using Epigallocatechin gallate to Shorten Telomeres: Can Green Tea Help Fight Cancer?

Sierra Madre Middle School, Sierra Madre, California

Zoe Zawol (Grade 8)

Sierra Madre, California

Is the Cosmic Ray Flux Greater at Higher Altitudes than at Lower Altitudes?

USCA03

Central California Regional Science, Mathematics and Engineering Fair

Kastner Intermediate School, Fresno, California

Tyler Edward Robertson (Grade 7)

Fresno, California

Commotion in the Ocean: The Effect of Wave Barriers on Tsunami-Induced Seiche Waves

USCA04

Sacramento Regional Science and Engineering Fair

Sebastian Questa Elementary School, Mountain House, California

Sangeetha Bharath (Grade 8)

Mountain House, California

PiezoPower

Winston Churchill Middle School, Carmichael, California
Albert W. Qin (Grade 6)
Folsom, California
The Development of Drug Resistance: A Computer Simulation

USCA04 and
USCA50

Sacramento Regional Science and Engineering Fair
California State Science Fair

Folsom Middle School, Folsom, California
Deveshi Buch (Grade 7)
Folsom, California
4eyes: An Ultrasonics-based Solution to Collisions Involving Cellphone-distracted Pedestrians

USCA05

Greater San Diego Science and Engineering Fair

Bonita Vista Middle School, Chula Vista, California
Shreya Saraswati Ranganath (Grade 7)
Chula Vista, California
A Sandwich Stops Bullets!

The Rhoades School, Encinitas, California
Aadil Mohammed Rehan (Grade 7)
Carlsbad, California
Do Ions Regulate Positional Information and Regeneration?

Thurgood Marshall Middle School, San Diego, California
Joonhyuk Lee (Grade 8)
San Diego, California
The Effect of Electromagnetic Fields on Fiber Optic WDM Signal Quality

Thurgood Marshall Middle School, San Diego, California
Anshul Singh (Grade 8)
San Diego, California
Wind-proofing Bridges Prone to Hurricane Winds

USCA05
USCA50

Greater San Diego Science and Engineering Fair
California State Science Fair

The Rhoades School, Encinitas, California
Daniel Sebastian Bruce (Grade 8)
San Diego, California
Flight Initiation Distance: Human Presence Impacts on Lagoon Bird Response

Thurgood Marshall Middle School, San Diego, California
Gregory McNeil Martin (Grade 8)
San Diego, California
*Increasing Lipid Yields in *Chlorella vulgaris* through Natural Nitrogen Depletion*

USCA07

Synopsys Silicon Valley Science and Technology Championship

Challenger School, Sunnyvale, California
Ananya Karthik (Grade 7)
Sunnyvale, California
A Greener Cleaner: Investigating a Potential Biosorbent for the Removal of Heavy Metals from Aqueous Solutions

David Starr Jordan Middle School, Palo Alto, California

Ayush S. Gupta (Grade 7)

Palo Alto, California

Developing a Tennis Ball Tester

Evergreen Elementary School, San Jose, California

Andrew Basil Nazareth (Grade 6)

San Jose, California

Radiation: How Safe Are You with Your Daily Devices?

Home School, San Jose, California

Laura Lynn Powers (Grade 7)

San Jose, California

Investigating Ant Trail Pheromones

Jane Lathrop Stanford Middle School, Palo Alto, California

Edward Ross (Grade 7)

Moffett Field, California

Balloon Acoustics: Why Do Balloons Make a Loud Noise When They Pop?

Stratford Middle School, Santa Clara, California

Shiva Balachander (Grade 7)

Santa Clara, California

Sticky Situation: Effect of Natural Supplements on Removal of Cholesterol from Arterial Walls

Stratford Middle School, Santa Clara, California

Ronak Kiran Mundkur (Grade 8)

Los Altos, California

Surfing on Nano Magnets

Stratford Middle School, Santa Clara, California

Anish Muthali (Grade 7)

San Jose, California

The Minotaur of the Labyrinth

Terman Middle School, Palo Alto, California

Tian Chen (Grade 8)

Palo Alto, California

The Thermodynamic Freezing Paradox of the Mpemba Effect:

Explaining Using Thermo Conductivity and Bond Energy Transfer

The Harker School, San Jose, California

Michael Kwan (Grade 8)

Cupertino, California

The Effects of Farnesol on Pogonomyrex barbatus in a Controlled Environment

The Harker School, San Jose, California

Shaya Zarkesh (Grade 8)

Saratoga, California

eShoe: A Novel Approach to Generating Electricity through Walking Shoes

The Harker School, San Jose, California

Rajiv Movva (Grade 8)

San Jose, California

Preventing Excessive Blood Sugar Levels in Type 2 Diabetes Patients: An in vitro Inhibition Mechanism of Alpha-Amylase with Flavonoids

USCA07 and
USCA50

Synopsys Silicon Valley Science and Technology Championship
California State Science Fair

Don Callejon School, Santa Clara, California

Dylon Matthew Tjanaka (Grade 7)

Santa Clara, California

Using Active Tilt Compensation to Improve Rollover Stability of Large Trucks

Joaquin Miller Middle School, San Jose, California

Raghav Ganesh (Grade 6)

San Jose, California

A Low Cost, Adoptable, User Tested Add-on Device for the White Cane Facilitating Safer Mobility of the Visually Impaired

Old Orchard School, Campbell, California

Holly Marie Jackson (Grade 8)

San Jose, California

Sewing Science

USCA08

Contra Costa County Science & Engineering Fair

Diablo Vista Middle School, Danville, California

Kevin Kim (Grade 8)

Danville, California

Digital Analysis of Diverse Woodwind Instruments

USCA09

Lawrence Livermore National Laboratory - Alameda County Science
and Engineering Fair

Alameda Community Learning Center, Alameda, California

Harrison Philip Coorey (Grade 6)

Oakland, California

Are Some Multiplication Facts Harder than Others?

Challenger School, Newark, California

Ashwin Reddy Adulla (Grade 8)

Fremont, California

The Solvent Solution

USCA11

Santa Cruz County Science and Engineering Fair

Pacific Collegiate School, Santa Cruz, California

Ferryn Amelia Spence (Grade 8)

Santa Cruz, California

*Abundance and Diversity of Aquatic Insects Colonizing Different Leaf Species:
Does Leaf Matter Matter?*

USCA13

Riverside, Inyo, Mono, San Bernardino (RIMS) Science and Engineering Fair

All Saints Carden Academy, Riverside, California

Shayle Gupta (Grade 7)

Riverside, California

Making Schools Safer for Children with Food Allergies with the Ideal Wipe

Amelia Earhart Middle School, Riverside, California

Preetha Srikanth Krishnamurthy (Grade 8)

Riverside, California

Do Modern Devices Emit Harmful Amounts of EMFs?

Amelia Earhart Middle School, Riverside, California

Yushan Su (Grade 8)

Riverside, California

The Effects of EMF Radiation on Life

Frank Augustus Miller Middle School, Riverside, California

Sebastian Julio Figueroa (Grade 8)

Riverside, California

The Effect of Bird Formation on Flight Efficiency

Glen Avon Elementary School, Jurupa Valley, California

Hamish Seth De La Cruz (Grade 6)

Riverside, California

Chamber, Photo-degradation, Action!

Letha Raney Intermediate School, Corona, California

Aman Bhaskar Chandan (Grade 8)

Corona, California

Concussions: Can We Head Them Away?

St. Edward School, Corona, California

Nicholas Antonio Perez (Grade 6)

Lake Elsinore, California

Polymer: The Ultimate Barrier to Fire and Smoke

San Jacinto Leadership Academy, San Jacinto, California

Shakson Kyoh Isaac (Grade 7)

San Jacinto, California

Soil + Reused Coffee Grounds + Tech = Novel Microbial Fuel Cell

Western Center Academy, Hemet, California

Rebecca Alysse Dana (Grade 7)

Hemet, California

Is Your Roof Fire Safe?

Western Center Academy, Hemet, California

Krystal Rose Horton (Grade 7)

Menifee, California

Dispositional Attitude Measure

USCA13 and
USCA50

RIMS Science & Engineering Fair
California State Science Fair

Canyon Hills Junior High School, Chino Hills, California

Thea Carina Adumitroaie (Grade 7)

Chino Hills, California

Diamagnetic Levitation of Pyrolytic Graphite and Young Humans (Could We?)

St. Hyacinth Academy, San Jacinto, California

Andres Sebastian Gonzalez (Grade 7)

Hemet, California

School Milk: Carton or Plastic

USCA50

California State Science Fair

Bayside STEM Academy, San Mateo, California

Marcus Xavier Stand Luebke (Grade 7)

San Mateo, California

Running on Water: Optimizing Hydrogen and Oxygen Production from Water to Power Cars

Corte Madera, Portola Valley, California
Cameron Cole Jones (Grade 7)
Portola Valley, California
Is It Warm or Is It Just Me?: Regulating Thermal Comfort with Personal Peltier Modules

Goleta Valley Junior High School, Goleta, California
James Peter Roney (Grade 8)
Santa Barbara, California
Can Ant Pheromones Communicate Food Quality?

La Colina Junior High School, Santa Barbara, California
Ilana Susan Shapiro (Grade 8)
Santa Barbara, California
Gravity and the Torsion Balance: A Home-based Study of Gravitational Attraction

La Entrada Middle School, Menlo Park, California
Patrick David Kao (Grade 8)
Portola Valley, California
Creating a Space Flight Simulator Program

Notre Dame Catholic School, Chico, California
Joseph Arthur Huitt (Grade 7)
Chico, California
The Fungal Effect: Endomycorrhizae Fungi on Corn Growth and Production

Redwood Middle School, Saratoga, California
Cameron Morgan Baab (Grade 8)
Saratoga, California
The Effects of Various Extraction Methods of the Antioxidant EGCG on Biofuel Production in Nannochloropsis salina

St. Charles School, San Carlos, California
Hannah Olivia Cevasco (Grade 7)
San Carlos, California
Honey, I Found a Cure! Nature's Antibiotic

St. Rose of Lima School, Chula Vista, California
Leonardo Ezekiel Pena (Grade 7)
Chula Vista, California
Human vs. Robot

The Harker School, San Jose, California
Anooshree Lauren Sengupta (Grade 8)
San Jose, California
Nanoparticle Pollution: A "Growing Problem" -- The Effect of TiO₂ Nanoparticles on E. Coli Growth and Viability in the Presence of Light

The Harker School, San Jose, California
Kaushik Shivakumar (Grade 7)
Santa Clara, California
Energy-Efficient Aircraft Landings: Factors Influencing the Conversion of the Kinetic Energy of a Landing Airplane into Useful Electrical Energy

Wangenheim Middle School, San Diego, California
Davis Rush Boring (Grade 8)
San Diego, California
What Is the Best Material for a Football Helmet Lining to Reduce G-forces?

USCA78

Irvine Unified School District Science Fair

Alderwood Elementary, Irvine, California

Michael Wayne Schoenberger (Grade 6)

Irvine, California

Storm The Castle with Newton's Second Law of Motion: Ping Pong Projectile

Colorado

USCO04 and
USCO50

Pikes Peak Regional Science Fair
Colorado Science and Engineering Fair

The Classical Academy, Colorado Springs, Colorado

Liam Hayden Young (Grade 7)

Colorado Springs, Colorado

The Bubble Effect: How Nozzle Induced Cavitation Reduces Surface Drag on Water Vessels

USCO06

Longs Peak Science and Engineering Fair

Blevins Middle School, Fort Collins, Colorado

Alex Amash (Grade 8)

Fort Collins, Colorado

Chemical Food Preservatives: How Effective Are They at Retarding Bacterial Growth?

USCO10
USCO50

Denver Metropolitan Regional Science and Engineering Fair
Colorado Science and Engineering Fair

Challenge School, Denver, Colorado

Hari Sowrirajan (Grade 8)

Aurora, Colorado

Soak up the Sun: Using Nanoparticles to Catalyze Water Vaporization

USCO50

Colorado Science and Engineering Fair

Summit Charter Middle School, Boulder, Colorado

Fiona Sofia Anderson (Grade 8)

Boulder, Colorado

Liquid Invisibility Cloak

Summit Charter Middle School, Boulder, Colorado

Amrita Purkayastha (Grade 8)

Superior, Colorado

How Weight Affects Canine Hypothyroidism

Connecticut

USCT50

Connecticut Science & Engineering Fair

Canton Middle School, Canton, Connecticut

Gabriel Hunter Mesa (Grade 8)

Canton, Connecticut

Graphene Enhanced Piezoelectric Generator for Environmental Energy Conservation

Engineering and Science University Inter-district Magnet School, Hamden, Connecticut

Prastik Mohanraj (Grade 7)

Ansonia, Connecticut

Using Wettability to Develop Reusable Freezer Bags

Middlebrook School, Wilton, Connecticut

Jonathan Wu (Grade 7)

Wilton, Connecticut

Harness the Power of Wind and Solar

St. Rose of Lima School, Newtown, Connecticut

Catherine Marie Herrick (Grade 7)

Sandy Hook, Connecticut

The Investigation of the Presence of Plastic Microscopic Fibers in Effluent Sewage Water and the Long Island Sound

Florida

USFL01

Heartland Regional Science and Engineering Fair

Hill Gustat Middle School, Sebring, Florida

Rohin Patel (Grade 6)

Sebring, Florida

From Waste to Biofuels

USFL05

Thomas Alva Edison Kiwanis Science and Engineering Fair

L. A. Ainger Middle School, Englewood, Florida

Kristen McKenzie Locker (Grade 8)

Englewood, Florida

Cancel Cancer

Paul Laurence Dunbar Middle School, Fort Myers, Florida

Christopher Gerard Hanwacker (Grade 8)

Fort Myers, Florida

The Impact of Magnetic Fields on H₂O

USFL06 and
USFL50

St. Lucie County Regional Science and Engineering Fair
State Science and Engineering Fair of Florida - Ying Scholars

Lincoln Park Academy, Fort Pierce, Florida

Hafsa Naseem Saeed (Grade 8)

Fort Pierce, Florida

Nitrogen Levels from the Agricultural Fields to the Indian River Lagoon

Lincoln Park Academy, Fort Pierce, Florida

Haniya Shareef (Grade 8)

Port St. Lucie, Florida

What Is the Response of Brazilian Pepper-tree to the Attack of the Exotic Herbivore Calophya latiforceps?

USFL07

Panhandle Regional Science and Engineering Fair

Shoal River Middle School, Crestview, Florida

Ammar Sabih Syed (Grade 8)

Crestview, Florida

Tiny Titans: A Study on the Effect of Silver Nanoparticles on Escherichia coli

USFL07 and USFL50	<p>Panhandle Regional Science and Engineering Fair State Science and Engineering Fair of Florida - Ying Scholars</p> <p>C.W. Ruckel Middle School, Niceville, Florida Camille Alden Miles (Grade 8) Niceville, Florida <i>Double the Fun in the Sun: High Efficiency Hybrid Thermal Photovoltaic Solar Panel</i></p>
USFL08	<p>Alachua Region Science and Engineering Fair</p> <p>Abraham Lincoln Middle School, Gainesville, Florida Amir Helmy (Grade 8) Gainesville, Florida <i>Using Smart-Phones to Monitor Heart Health</i></p> <p>Abraham Lincoln Middle School, Gainesville, Florida Brindha Priya Rathinasabapathi (Grade 6) Gainesville, Florida <i>Arsenic in Rice: Can Rinsing Rice in Water Reduce Arsenic?</i></p> <p>Howard W. Bishop Middle School, Gainesville, Florida Talar Victoria-Grace Terzian (Grade 7) Gainesville, Florida <i>Churn It Up: Off-the-Grid Laundry Agitators</i></p>
USFL08 and USFL50	<p>Alachua Region Science and Engineering Fair State Science and Engineering Fair of Florida - Ying Scholars</p> <p>Abraham Lincoln Middle School, Gainesville, Florida Zofia Natalia Caes (Grade 8) Gainesville, Florida <i>Bioinformatics and Molecular Analysis of Methicillin Resistant Staphylococcus aureus</i></p>
USFL09	<p>Broward County Science Fair</p> <p>Indian Ridge Middle School, Davie, Florida Madelyn Shayne White (Grade 7) Davie, Florida <i>Shocking Growth, Part II: Is Increasing Electrical Voltage Beneficial to Plant Growth?</i></p>
USFL14	<p>Brevard Intracoastal Regional Science and Engineering Fair</p> <p>DeLaura Middle School, Satellite Beach, Florida Abbey Joan Havel (Grade 8) Satellite Beach, Florida <i>Driving on the Moon</i></p>
USFL15	<p>South Florida Science and Engineering Fair</p> <p>Archimedean Middle Conservatory, Miami, Florida Dmitri Raoul Morales (Grade 6) Miami, Florida <i>Liquid Gold: Effects of Urine on Tomato Seedlings</i></p>

USFL15 and USFL50	<p>Regional Science and Engineering Fair South Florida State Science and Engineering Fair of Florida – Ying Scholars</p> <p>George Washington Carver Middle School, Miami, Florida Linus Alexander Freyer (Grade 8) Pinecrest, Florida <i>Who Wants to Eat Horse?: Accuracy of Meat Declaration in Lasagna</i></p>
USFL16	<p>Big Springs Regional Science Fair</p> <p>The Villages Charter Middle School, The Villages, Florida Tiffany Liu (Grade 8) Lady Lake, Florida <i>Can MRI Differentiate between Gram-positive and Gram-negative Bacterial Cultures?</i></p>
USFL16 USFL50	<p>Big Springs Regional Science Fair State Science and Engineering Fair of Florida – Ying Scholars</p> <p>Classical Conversations, Ocala, Florida Christopher Dale Katz (Grade 8) Ocala, Florida <i>Firing into the Future: Impact of Increasing Railgun Voltage on Projectile Distance</i></p>
USFL17	<p>Dr. Nelson Ying Expo</p> <p>Trinity Preparatory School, Winter Park, Florida Anusha Karandikar (Grade 6) Longwood, Florida <i>The Mathematics of Lawn Irrigation</i></p>
USFL19	<p>Florida Three Rivers Regional Science and Engineering Fair</p> <p>Deane Bozeman School, Southport, Florida Gary Wayne Baldwin (Grade 7) Southport, Florida <i>Plants with a Purpose</i></p>
USFL23 and USFL50	<p>Seminole County Regional Science, Math and Engineering Fair State Science and Engineering Fair of Florida – Ying Scholars</p> <p>Sanford Middle School, Sanford, Florida Jonathan Paul Sepulveda (Grade 8) Apopka, Florida <i>The Influences of Greenhouse Gas Trends on Climate Change</i></p>
USFL25	<p>Martin County Regional Science and Engineering Fair</p> <p>St. Joseph Catholic School, Stuart, Florida Osiris Ramos, Jr. (Grade 7) Stuart, Florida <i>Judge Me by My Size Do You? The Effects of Salinity Levels in the St. Lucie River on the Size and Abundance on Ctenophores</i></p>

USFL25 USFL50	<p>Martin County Regional Science and Engineering Fair State Science and Engineering Fair of Florida – Ying Scholars</p> <p>Stuart Middle School, Stuart, Florida Caroline Grace Nolan (Grade 8) Stuart, Florida <i>Filtering Agricultural Effluent with Fungal Mycelium</i></p>
USFL26 and USFL50	<p>Capital Regional Science and Engineering Fair State Science and Engineering Fair of Florida – Ying Scholars</p> <p>Deerlake Middle School, Tallahassee, Florida Grant Donovan Womble (Grade 8) Tallahassee, Florida <i>Building Better Blades: Increasing Efficiency of Wind Turbines through Biomimicry and Winglet Blade Design, Year Two</i></p>
USFL27 USFL50	<p>Hillsborough Regional Science, Technology, Engineering and Mathematics Fair State Science and Engineering Fair of Florida – Ying Scholars</p> <p>St. Stephen Catholic School, Riverview, Florida Colton Chance Lewis (Grade 8) Wimauma, Florida <i>Electromagnetic Rocket Propulsion</i></p>
USFL28	<p>Brevard Mainland Regional Science and Engineering Fair</p> <p>West Shore Junior/Senior High School, Melbourne, Florida Calista Jia Xin Foo (Grade 8) West Melbourne, Florida <i>Which Organic Material Would Best Serve as a Bioplastic to Replace Petroleum-based Plastic?</i></p> <p>West Shore Junior/Senior High School, Melbourne, Florida Andres Cruz-Sanchez (Grade 8) Melbourne, Florida <i>A Computational Phylogenetics Approach to Drug Discovery for the Treatment of Alzheimer's Disease</i></p>
USFL28 and USFL50	<p>Brevard Mainland Regional Science and Engineering Fair State Science and Engineering Fair of Florida – Ying Scholars</p> <p>West Shore Junior/Senior High School, Melbourne, Florida Muhammad Ugur oglu Abdulla (Grade 8) Melbourne, Florida <i>Deterministic and Stochastic Analysis in Biomedical Engineering: Fractal Geometry vs. Brownian Motion</i></p>
USFL29	<p>Palm Beach Regional Science and Engineering Fair</p> <p>The Weiss School, Palm Beach Gardens, Florida Glenn Manuel Grimmett (Grade 6) Jupiter, Florida <i>Chlorine Disinfection of South Florida Groundwater: A Source of Dangerous Disinfection By-products?</i></p>

USFL50

State Science and Engineering Fair of Florida – Ying Scholars

Julia Landon College Preparatory and Leadership Development School, Jacksonville, Florida

Kavitha Vudatha (Grade 7)

Jacksonville, Florida

The Effect of Different Resistor Loads on Charging and Discharging of a Capacitor in a DC Circuit

George Washington Carver Middle School, Miami, Florida

Bibi Soraya Moghani (Grade 8)

Miami, Florida

It's Toxic

Lakeland Christian School, Lakeland, Florida

Evan Patrick McLoughlin (Grade 8)

Lakeland, Florida

Neural Firing Range, Year II: Determining and Comparing the Effect of Methylphenidate and Dextroamphetamine on Cricket Neural Firing

Georgia

USGA09

Griffin RESA Regional Science Fair

Indian Creek Middle School, Covington, Georgia

Ava Jane Teasley (Grade 7)

Covington, Georgia

Preventing a Pain in the Butt

USGA50

Georgia State Science and Engineering Fair

Oconee County Middle School, Watkinsville, Georgia

Marin Elizabeth Lonnee (Grade 7)

Watkinsville, Georgia

Taming the Mighty Mite: Natural Varroa Destructor Mite Treatments

Hawaii

USHI50

Hawaii State Science and Engineering Fair

Home School, Kula, Hawaii

Celeste Maida Jongeneelen (Grade 8)

Kula, Hawaii

Disk-O Stars, Part Two

Island Pacific Academy, Kapolei, Hawaii

Jonathan Tadashi Spangler-Sakata (Grade 7)

Kapolei, Hawaii

Can Your Arthritic Dog Be More Active with Stem Cells?

Niu Valley Middle School, Honolulu, Hawaii

Ricky Yu Yen Ma (Grade 8)

Honolulu, Hawaii

Fat Chloroplast

St. Andrew's Priory School, Honolulu, Hawaii

Emily Aiko Kurth (Grade 8)

Honolulu, Hawaii

What Killed the Fish In Honolulu Harbor? The Effect of Molasses on Dissolved Oxygen Levels in Salt Water

Illinois

USIL01

Chicago Public School Students Science Fair

Franklin Fine Arts Center, Chicago, Illinois

Benjamin S. Branda (Grade 7)

Chicago, Illinois

The Effect of Electromagnetic Fields on Scenedesmus Algae

USIL02

Illinois Junior Academy of Science Region XII Science Fair

Albert Cassens Elementary, Glen Carbon, Illinois

Audrey Grace Stone (Grade 6)

Edwardsville, Illinois

Design and Demonstration of Electrostatic Discharge: Van De Graaff Generator

Indiana

USIN05

Calumet Regional Science Fair

Wilbur Wright Middle School, Munster, Indiana

Annie Ostojic (Grade 6)

Munster, Indiana

Wave Goodbye to Energy Loss

USIN06

Central Indiana Regional Science and Engineering Fair

Hamilton Southeastern Junior High School, Fishers, Indiana

Alexander Lloyd Shelby (Grade 8)

Fishers, Indiana

Gre-Cycling

USIN06

Central Indiana Regional Science and Engineering Fair

USIN50

Hoosier Science and Engineering Fair

Creekside Middle School, Carmel, Indiana

Xuchen Wei (Grade 8)

Carmel, Indiana

A One-Step Test for Analysis of Stress

USIN11

Lafayette Regional Science and Engineering Fair

West Lafayette Junior/Senior High School, West Lafayette, Indiana

Sanjay Sastry Garimella (Grade 7)

West Lafayette, Indiana

The Contractile Protein: Effect of CaCl_2 and EDTA on the Phloem System of a Broad Bean

Kansas

USKS50

Kansas State Science and Engineering Fair

Anthony Middle School, Manhattan, Kansas

Kendra Anne Geisbrecht (Grade 8)

Manhattan, Kansas

To Move or Not to Move: Does Diet Affect Mobility?

Kentucky

USKY01

duPont Manual Regional Science Fair

Meyzeek Middle School, Louisville, Kentucky

Nivedha Loganathan (Grade 7)

Louisville, Kentucky

Pure - It

USKY02

Louisville Regional Science and Engineering Fair

St. Francis of Assisi Catholic School, Louisville, Kentucky

Analisa Marie Conway (Grade 8)

Louisville, Kentucky

Exploring Vinyl Flooring Cytotoxicity

St. Francis of Assisi Catholic School, Louisville, Kentucky

Joshua Murphy Jacob (Grade 8)

Louisville, Kentucky

A Novel Reaction to Recycle Glycerol Waste

USKY03

duPont Manual High School Science Fair

Meyzeek Middle School, Louisville, Kentucky

Gregory David Schwartz (Grade 8)

Louisville, Kentucky

How Does Plant Growth Affect Animal Populations in a Computer Model Simulation?

Meyzeek Middle School, Louisville, Kentucky

Ruchira Udara Sumanasekera (Grade 7)

Louisville, Kentucky

Can Yucca Root Extract Kill Ovarian Cancer Cells?

USKY05

Central Kentucky Regional Science and Engineering Fair

Lexington Traditional Magnet School, Lexington, Kentucky

Brenna Caroline Wallin (Grade 7)

Lexington, Kentucky

Acoustium Leviosa: Investigating the Lifting Power of Acoustic Levitation

Winburn Middle School, Lexington, Kentucky

Akhil Sai Kesaraju (Grade 8)

Lexington, Kentucky

The Effects of Calcium Hydroxide as Pretreatment in Cellulosic Ethanol Production

USKY50

Kentucky Science and Engineering Fair

North Oldham Middle School, Goshen, Kentucky

Benjamin Jiang (Grade 8)

Prospect, Kentucky

Balance Temperature, Efficiently

Louisiana

USLA01

Louisiana Region VII-Science and Engineering Fair

Carmel Hill School, Baton Rouge, Louisiana

Joshua Michael Courtney (Grade 8)

Baton Rouge, Louisiana

Condition Factors in Fish as Bioindicators of Oyster Over-harvesting in the Calcasieu Estuary

Glasgow Middle School, Baton Rouge, Louisiana

Anusha Zaman (Grade 7)

Baton Rouge, Louisiana

Betel Leaf and Tobacco Change the Gene Expression in Human Broncho-epithelial (BEAS-2B) Cells

USLA08

Greater New Orleans Science and Engineering Fair

Christian Brothers School, New Orleans, Louisiana

Stephen Marcus Larzelere (Grade 7)

Metairie, Louisiana

The Influence of Soccer Ball Cover Type on Ball Speed, Distance, and Accuracy Across Different Ground Surfaces

Maryland

USMD01

Anne Arundel County Regional Science and Engineering Fair

Southern Middle School, Lothian, Maryland

Eleana Maurine Downs Perez (Grade 7)

Lothian, Maryland

Latitude with Attitude: A Mathematical Model for Predicting Solar Cell Efficiency in Lothian, Maryland

USMD03

ScienceMontgomery

Roberto Clemente Middle School, Germantown, Maryland

Sreya Vangara (Grade 8)

Germantown, Maryland

Tracking Geomagnetic Storms

Takoma Park Middle School, Silver Spring, Maryland

Elliot S. Kienzle (Grade 8)

Bethesda, Maryland

An Examination of the Voltage Drop across the Farnsworth-Hirsch Fusor

Takoma Park Middle School, Silver Spring, Maryland

Noah Gabriel Singer (Grade 8)

Bethesda, Maryland

An Examination of the Voltage Drop across the Farnsworth-Hirsch Fusor

Takoma Park Middle School, Silver Spring, Maryland

Katherine Jean Wu (Grade 8)

North Potomac, Maryland

A Driver's Companion: Using EEG Waves and Eye Blinks to Prevent Drowsy Driving

USMD06

Baltimore Science Fair

Takoma Park Middle School, Silver Spring, Maryland

Megha Sharma (Grade 8)

Elkridge, Maryland

The Effect of Various Regolith Samples on Voltage Produced by a Mediator-less Microbial Fuel Cell

Massachusetts

USMA02

Massachusetts Region IV Science Fair

Andover West Middle School, Andover, Massachusetts

Floyd S. Greenwood (Grade 7)

Andover, Massachusetts

Selectively Breeding Nannochloropsis Microalgae to Become a Healthier Feed Stock for Freshwater Rotifers

Triton Middle School, Byfield, Massachusetts

Alden Shea Giedraitis (Grade 8)

Byfield, Massachusetts

Project A.I.P: An Introduction to Artificial Intelligence and Autonomous Navigation

USMA02

Massachusetts Region IV Science Fair

USMA50

Massachusetts State Science and Engineering Fair

Carlisle Public School, Carlisle, Massachusetts

Karen Lin-lin Chen (Grade 8)

Carlisle, Massachusetts

Nightlight: A Revolution in Greenhouse Technology

Saint Michael School, North Andover, Massachusetts

Catherine Grace Devlin (Grade 8)

North Andover, Massachusetts

Which Two Dimensional Characteristic Most Affects Synesthesia?

Saint Michael School, North Andover, Massachusetts

Jennifer Michelle Tabola (Grade 8)

North Andover, Massachusetts

Which Two Dimensional Characteristic Most Affects Synesthesia?

USMA03

Massachusetts Region III Science Fair

St. James St. John School, New Bedford, Massachusetts

Mariela E. Coholan (Grade 8)

New Bedford, Massachusetts

How Thick Is Your Water?

USMA04

Massachusetts Region I Science Fair

USMA50

Massachusetts State Science and Engineering Fair

Hopkins Academy, Hadley, Massachusetts

Aedan Stanley Cullen (Grade 7)

Hadley, Massachusetts

Lightning: A Faster, More Efficient Internet Browser

USMA05

Massachusetts Region II State Science Fair

Gibbons Middle School, Westborough, Massachusetts

Kevin Hu (Grade 8)

Westborough, Massachusetts

A Ruby Sinatra Web Application for Genetic Simulation Using Cloud Data

USMA50

Massachusetts State Science & Engineering Fair

Central Middle School, Quincy, Massachusetts

Charlotte Anne Nickerson (Grade 7)

Quincy, Massachusetts

Observations of Special Relativity

Michigan

USMI02

Science and Engineering Fair of Metropolitan Detroit

Huda School & Montessori, Franklin, Michigan

Nadia H. Khan (Grade 8)

Bloomfield Hills, Michigan

Can a Diabetes Drug Fight Ovarian Cancer and Put a Woman on Mars?

Meads Mill, Northville, Michigan

Sohan Yadav (Grade 8)

Northville, Michigan

The Most Efficient Truss Bridge

Novi Middle School, Novi, Michigan

Arushi Arora (Grade 8)

Novi, Michigan

Colloidal Silver to the Rescue!

Orchard Lake Middle School, West Bloomfield Township, Michigan

Rishabh Parekh (Grade 8)

Farmington Hills, Michigan

I Can See! An Image Detection Algorithm on the Raspberry Pi that Helps the Visually Impaired

Minnesota

USMN07

Rochester Regional Science Fair

Friedell Middle School, Rochester, Minnesota

Benjamin Joseph Chrepta (Grade 8)

Rochester, Minnesota

Improving and Testing Robotic Arm Kinesthetics with the Use of Processing, Kinect, and Arduino

USMN07

Rochester Regional Science Fair

USMN50

Minnesota Academy of Science State Science & Engineering Fair

Friedell Middle School, Rochester, Minnesota

Pranav Kumar Anandarao (Grade 7)

Rochester, Minnesota

The Efficiency of Nano-Crystalline Titanium Dioxide Based Dye Sensitized Solar Cells Using Natural Dyes

John Adams Middle School, Rochester, Minnesota
Andy John Eggebraaten (Grade 7)
Rochester, Minnesota
A Study of Using Speech Recognition to Control a Robotic Hand

USMN09

St. Paul Regional Fair

Friends School of Minnesota, Saint Paul, Minnesota
Emilia Frances Topp-Johnson (Grade 8)
Saint Paul, Minnesota
Behind the Kernels: A Study of Five Fungal Endophytes and their Use in Biocontrol against the Common Maize Pathogen, Ustilago maydis

USMN10

Twin Cities Regional Fair

Wayzata Central Middle School, Plymouth, Minnesota
Karthik Papisetty (Grade 7)
Plymouth, Minnesota
Natural Hazard Risk Model for Different Countries in the World

USMN10 and
USMN50

Twin Cities Regional Fair
Minnesota Academy of Science State Science & Engineering Fair

Calvin Christian School, Edina, Minnesota
Brittney Madyson Kuntz (Grade 7)
Plymouth, Minnesota
Differences in Chloride Concentration Levels in an Urban Stream by Season and Site

Central Middle School, Eden Prairie, Minnesota
Avni Jain (Grade 7)
Eden Prairie, Minnesota
Allergen Alert! An Innovation to Assist People with Finding Safe Food Choices

USMN50

Minnesota Academy of Science State Science & Engineering Fair

Al-Amal School, Fridley, Minnesota
Zohair Ismail Khan (Grade 6)
Fridley, Minnesota
The Effects of Thermal Insulation on Heat Retention: A Comparison of Popular Insulants with a Custom-made Corn Husk Insulant

Friedell Middle School, Rochester, Minnesota
Gaurav K. Behera (Grade 8)
Rochester, Minnesota
Peripheral Neuropathy Analyzing System

Park Christian School, Moorhead, Minnesota
Cameron Walker Knoll (Grade 8)
Fargo, North Dakota
Stop Treating Your Soil Like Dirt!

Mississippi

USMS04

University of Southern Mississippi Region I Science and Engineering Fair

Oak Grove Middle School, Hattiesburg, Mississippi

Jonathan Andrew Myers (Grade 8)

Hattiesburg, Mississippi

The Effect of Ocean Acidification on the Bioluminescence of Pyrocystis fusiformis

Missouri

USMO04

Greater Kansas City Science and Engineering Fair

Harmony Middle School, Overland Park, Kansas

Vandita Garimella (Grade 8)

Overland Park, Kansas

Urease Inhibition by Cruciferous Plant Extracts: An Alternative Medicine Approach to Helicobacter pylori Infections

Trailridge Middle School, Shawnee Mission, Kansas

Bryce Aaron DeBok (Grade 7)

Shawnee, Kansas

Blow Wind Blow, Go Car Go: How Placement of Wind Turbines on a Vehicle Affect Total Energy Output of the Wind Turbines

USMO05

Missouri Tri-County Regional Science and Engineering Fair

Wentzville Middle School, Wentzville, Missouri

Alex Christian Faintich (Grade 8)

Lake Saint Louis, Missouri

In Seconds It Can Rain... Be Ready with Recycled Drains!

USMO07

Academy of Science – Greater St. Louis Science Fair

Wydown Middle School, Clayton, Missouri

Lydia Mariam Pinkhassik (Grade 7)

Clayton, Missouri

Dye-Loaded Nanocapsules in Paper-based Sensing Devices

Montana

USMT50

Montana Science Fair

East Middle School, Butte, Montana

Leif Charles Clark (Grade 7)

Butte, Montana

The Effects of Various Types of Interference on an Amplitude Modulation Broadcast

Kalispell Montessori Elementary, Kalispell, Montana

Lucas Lee Ritzdorf (Grade 6)

Bigfork, Montana

Pollution-detector Pi

Nevada
USNV03

Western Nevada Regional Science and Engineering Fair

Nevada Connections Academy, Sparks, Nevada
Ivan Anders Altunin (Grade 6)
Incline Village, Nevada
Red, White, Blue, Go!!!

New Jersey
USNJ78

Chester Science Fair

Black River Middle School, Chester, New Jersey
Emily Milan Rea (Grade 8)
Chester, New Jersey
The Wonders of Wound Care

USNJ79

Bergen Science Challenge

Belhaven Middle School, Linwood, New Jersey
Sebastian Y. Chang (Grade 8)
Linwood, New Jersey
Design of a 3D Printed Pediatric Prosthetic Hand which Actuates with Wrist Extension and Flexion

New Mexico
USNM01

Central New Mexico Regional Science and Engineering Challenge

Albuquerque School of Excellence, Albuquerque, New Mexico
Nathaniel Julio Martinez (Grade 7)
Albuquerque, New Mexico
Highly Efficient Water Desalinization by Solar Energy Pipe Exchanger

USNM01
USNM50

Central New Mexico Regional Science and Engineering Challenge
New Mexico Science and Engineering Fair

Peralta Elementary, Los Lunas, New Mexico
Makayla Ruth Gates (Grade 6)
Peralta, New Mexico
Acoustic Levitation: The Wave of the Future

Roosevelt Middle School, Tijeras, New Mexico
Hannah Marie Linder (Grade 7)
Cedar Crest, New Mexico
Prevention of Enzymatic Browning in the Apple Industry

USNM04

Southwestern New Mexico Regional Science and Engineering Fair

Sierra Middle School, Las Cruces, New Mexico
Sanjiv Harikumar (Grade 8)
Las Cruces, New Mexico
Synthesis of Ferrofluids and their Ability to Form Different Shapes

USNM50

New Mexico Science and Engineering Fair

Los Alamos Middle School, Los Alamos, New Mexico

Ethan Finn Aulwes (Grade 8)

Los Alamos, New Mexico

The Future of Bluetooth Low Energy

New York

USNY01

Dutchess County Regional Science Fair

St. Mary School, Fishkill, New York

Abigail Elizabeth Gagnon-Vishnefsky (Grade 6)

Fishkill, New York

Technology Over Safety: How Dangerous Are Your Hand-held Devices?

USNY02

Long Island Science and Engineering Fair

Garden City Middle School, Garden City, New York

Brandon J. Gong (Grade 8)

Garden City, New York

A Method to Increase Plant Survival Rates in Low Water Conditions Utilizing the Absorbent Properties of Wheat Straw

Manhasset Middle School, Manhasset, New York

Elin C. Hu (Grade 8)

Manhasset, New York

The Effect of Antihistamines on Sleep Patterns of Drosophila melanogaster

West Hollow Middle School, Melville, New York

Rinni Bhansali (Grade 7)

Melville, New York

Are There Unfoldable Proteins in Dimension Three?

North Carolina

USNC02

North Carolina Central Region III Science Fair

USNC50

North Carolina State Science Fair

St. Timothy's School, Raleigh, North Carolina

Lauren Ashley Barber (Grade 8)

Raleigh, North Carolina

Wave of the Future

USNC50

North Carolina State Science Fair

Hope Middle School, Greenville, North Carolina

Elijah Shuford (Grade 7)

Winterville, North Carolina

B.E.S.T: Bio-Ethanol for a Sustainable Tomorrow

J.N. Fries Magnet Concord, North Carolina

Nathan T. Suri (Grade 8)

Concord, North Carolina

Simulating the Lorentz Force

Mount Mourne IB Middle School, Mooresville, North Carolina

Anika Rawat (Grade 8)

Walnut Creek, California

Skeeter Feeder: A Study of Mosquito Olfactory Behavior

Stone Circle Academy, Greenville, North Carolina

Emma Kathrine Christensen (Grade 8)

Greenville, North Carolina

Cloudy with a Chance of Insects: Creating a Predictive Algorithm to Alert the Public to Insect Surges

Ohio

USOH01

Southeastern Ohio Regional Science and Engineering Fair

Athens Middle School, Athens, Ohio

Sanjeev Melchizedek Gunawardena (Grade 7)

Athens, Ohio

What Factors Affect the Accuracy of GPS?

USOH01 and
USOH50

Southeastern Ohio Regional Science and Engineering Fair
Buckeye Science and Engineering Fair

Athens Middle School, Athens, Ohio

Shifra Rajani Narasimhan (Grade 7)

Athens, Ohio

Light Assisted Sugar Estimation Using Refraction

USOH02

Northeastern Ohio Science and Engineering Fair

Broadway Creek Homeschool Academy, Medina, Ohio

Kotaro Kojima (Grade 7)

Medina, Ohio

Novel Self-Sweeping Turbulent Cleanroom Technology

Incarnate Word Academy, Parma Heights, Ohio

Ashwin Veeramani (Grade 8)

North Royalton, Ohio

DNA Barcode Definition: Which Gene Sequence Is More Efficient in Identifying and Classifying Bacterial Pathogens - 16S rRNA, cpn60, or rpoB?

National Inventors Hall of Fame Middle School Center for Science, Technology, Engineering and Mathematics Learning, Akron, Ohio

Zachariah Edward Stone (Grade 8)

Akron, Ohio

A Home Engineered Centrifuge Can Produce High Quality Genomic DNA for Analysis Using NanoDrop Spectrophotometer and Gel Electrophoresis

Solon Middle School, Solon, Ohio

Alice Ming-Chi Wu (Grade 8)

Solon, Ohio

Which Seawall Provides the Most Protection against a Tsunami?

USOH02 USOH50	<p>Northeastern Ohio Science and Engineering Fair Buckeye Science and Engineering Fair</p> <p>Solon Middle School, Solon, Ohio Pranav Indiresha Iyer (Grade 8) Solon, Ohio <i>Impact Forces on the Knee while Running on Varying Gradients</i></p>
USOH03	<p>Miami Valley Science and Engineering Fair</p> <p>Bellbrook Middle School, Bellbrook, Ohio Nathan Andrew Feix (Grade 7) Bellbrook, Ohio <i>Defending Buoyancy: Finding the Best Placement for Cargo on a Ship to Maximize Weight and Avoid Capsizing</i></p>
USOH04	<p>Montgomery County Science and Engineering Fair</p> <p>St. Christopher School, Vandalia, Ohio Evan Robert Eichenauer (Grade 8) Vandalia, Ohio <i>Can Fish Play Soccer?</i></p>
USOH10	<p>University of Cincinnati Science and Engineering EXPO</p> <p>Mason Middle School, Mason, Ohio Nidhi Iyanna (Grade 8) Mason, Ohio <i>Phosphorus Recovery from Agricultural Run-off Using Magnetically Recoverable Calcium/Magnesium Based Composites</i></p> <p>Mason Middle School, Mason, Ohio Durga Prasanna Mishra (Grade 8) Mason, Ohio <i>Solar Panels and Heat</i></p> <p>Mason Middle School, Mason, Ohio Natasha Saputra (Grade 8) Mason, Ohio <i>Detergent Pollution Effect on Plant Growth: Is Green Detergent More Environmentally Friendly than Conventional Detergent?</i></p>
USOH10 and USOH50	<p>University of Cincinnati Science and Engineering EXPO Buckeye Science and Engineering Fair</p> <p>Mason Middle School, Mason, Ohio Atneya Santosh Nair (Grade 8) Mason, Ohio <i>The Effect of Temperature on the Performance of a Variety of Surfactants</i></p>
USOH50	<p>Buckeye Science and Engineering Fair</p> <p>National Inventors Hall of Fame Middle School Center for Science, Technology, Engineering and Mathematics Learning, Akron, Ohio Jackson Kenneth Tankersley (Grade 8) Kent, Ohio <i>The Effect of Wearing Earphones on Driving Performance</i></p>

New Albany Middle School, New Albany, Ohio
Kavin Srikanth Vedamoorthy (Grade 8)
New Albany, Ohio
Genotoxicity of Crude Oil: Microenvironment Analysis and Biomarker Development Using Arabidopsis thaliana

Stanton Middle School, Kent, Ohio
Ian D.D. Mail (Grade 7)
Kent, Ohio
Comparing Altitude of Dimpled Nose Cone Rockets with Dimpled and Smooth Body Tubes

Sycamore Junior High, Cincinnati, Ohio
Nitin Pauletti (Grade 8)
Cincinnati, Ohio
Particulate Pollution Produced by Automobiles

Oregon USOR04

Beaverton Science Expo

Highland Park Middle School, Beaverton, Oregon
Melinda Meilin Sun (Grade 7)
Beaverton, Oregon
Are We Still Evolving?: A Genetic Algorithm Study of Evolution

Meadow Park Middle School, Beaverton, Oregon
Naren Mallik Gaurav (Grade 8)
Beaverton, Oregon
Chaotic Antibiotic! Analysis of Bioadsorbents for the Removal of Ciprofloxacin in Surface Water

Stoller Middle School, Portland, Oregon
Yesh Sachin Godse (Grade 8)
Portland, Oregon
Using Shape Memory Alloys for the Development of Renewable Heat Engines and Other Applications

Stoller Middle School, Portland, Oregon
Kelly Jalin Han (Grade 8)
Portland, Oregon
Increasing Vitamin D in Agaricus bisporus (White Button Mushrooms) Using Colored Light

Stoller Middle School, Portland, Oregon
Arjun Raghav Somayazulu (Grade 8)
Portland, Oregon
Examining the Impact of Dye Protonation in a Dye Sensitized Solar Cell on Its Absorption Spectra and Power Generated

USOR04 and USOR50

Beaverton-Hillsboro Science Expo Intel Northwest Science Expo

Stoller Middle School, Portland, Oregon
Arnob Das (Grade 8)
Portland, Oregon
A Novel Biocompatible Medical Implant Material

USOR07

Central Western Oregon Science Expo

Blanchet Catholic School, Salem, Oregon

Megha Nitin Joshi (Grade 7)

Salem, Oregon

AquaSol – Portable Solar Powered Water Filtration System

USOR50

Intel Northwest Science Expo

ACCESS Academy, Portland, Oregon

Leo Z. Deng (Grade 8)

Portland, Oregon

Development of Forest Fire Prediction Tool for the State of Oregon

International Connections Academy, Baltimore, Maryland

Aditya Diwakar Sivakumar (Grade 8)

Beaverton, Oregon

An Acoustical Investigation of Western Classical Music Theory

Meadow Park Middle School, Beaverton, Oregon

Divya Amirtharaj (Grade 7)

Beaverton, Oregon

Sequestering CO₂ from Exhaust Gas

Meadow Park Middle School, Beaverton, Oregon

Medha Kumar (Grade 6)

Portland, Oregon

CO₂ Intake in Trees

Meadow Park Middle School (Summa North Academy), Beaverton, Oregon

Archita Nitya Harathi (Grade 8)

Portland, Oregon

Stove Watch

Oregon Episcopal School, Portland, Oregon

Aneesh Gupta (Grade 7)

Tualatin, Oregon

Character Recognition Using Bezier Curves

Stoller Middle School, Portland, Oregon

Aditya Jain (Grade 8)

Portland, Oregon

It's a Matter of Life & Breath: An Improved Automated Diagnostic Tool for Lung Cancer Solitary Pulmonary Nodules (SPN) Detection Towards Population Based Screening

Stoller Middle School, Portland, Oregon

Deepto Mizan (Grade 8)

Portland, Oregon

How Does the Percent Concentration in a Corn-Syrup to Water Solution Affect Speed (in cm/seconds) through a Narrow Tube?

Stoller Middle School, Portland, Oregon

Muhammad Shahir Rahman (Grade 8)

Portland, Oregon

Effective Use of Gallium antimonide Thermopiles for Intelligent Cooking and Fire Prevention

Stoller Middle School, Portland, Oregon
Jacqueline Jia Xing Zhang (Grade 7)

Portland, Oregon

To Sleep or Not to Sleep? Effectiveness of Different Sleep Cycles on the Drosophila melanogaster

Valley Catholic Middle School, Beaverton, Oregon

Kirstin Ruth Lovely (Grade 8)

Beaverton, Oregon

Water out of Nowh 'AIR'

Valley Catholic Middle School, Beaverton, Oregon

Nandini Tondamantham Naidu (Grade 8)

Tigard, Oregon

Treating Lung Cancer: By Manipulating Epidermal Growth Factor Receptor Signaling Pathways

Pennsylvania

USPA01

Capital Area Science and Engineering Fair

Eagle View Middle School, Mechanicsburg, Pennsylvania

Joshua Scott Silverman (Grade 8)

Mechanicsburg, Pennsylvania

The Mighty Electrolyte

USPA02

North Museum Science and Engineering Fair

Reynolds Middle School, Lancaster, Pennsylvania

Stephanie H. Hall (Grade 8)

Lancaster, Pennsylvania

Does the Color of Rosin Affect the Sound of a Violin?

New Jersey

USPA03

Delaware Valley Science Fairs

Carriagebrooke Academy, Voorhees, New Jersey

Nathanael Charles Costa (Grade 7)

Voorhees, New Jersey

Improving Readability Scales

Collegium Charter School, Exton, Pennsylvania

Anusha Kalavacharla (Grade 8)

West Chester, Pennsylvania

Understanding the Genetics and Bioinformatics of Drought Tolerance in Common Bean

Fernwood Avenue Middle School, Egg Harbor Township, New Jersey

Chinaza Katherine Asiegbu (Grade 8)

Egg Harbor Township, New Jersey

The Spices of Life: The Antimicrobial Effects of Natural Remedies on E.coli

Great Valley Middle School, Malvern, Pennsylvania

Abhinav Vetcha (Grade 8)

Frazer, Pennsylvania

The Oligodynamic Effect

Pennfield Middle School, Hatfield, Pennsylvania
Jonathan Guanghong Okasinski (Grade 7)
Harleysville, Pennsylvania
To See or Not to See: A Foray into DIY Quantum Entanglement

USPA04

Pittsburgh Regional Science and Engineering Fair

Blessed John Paul II Homeschool Science Cooperative, Wexford, Pennsylvania
Joseph Arogiam Anand (Grade 7)
Wexford, Pennsylvania
The Effects of Bisphenol A on Drosophila melanogaster

Dorseyville Middle School, Pittsburgh, Pennsylvania
Annika Frances Urban (Grade 7)
Pittsburgh, Pennsylvania
The Stethophone

Falk Laboratory School, Pittsburgh, Pennsylvania
Nadine Oury (Grade 7)
Wexford, Pennsylvania
Charger Power

Fort Couch Middle School, Upper St. Clair, Pennsylvania
Kevin X. Chen (Grade 8)
Pittsburgh, Pennsylvania
Graph Databases: A Leap in Data Organization and Retrieval

Ingomar Middle School, Pittsburgh, Pennsylvania
Nikhil Behari (Grade 8)
Sewickley, Pennsylvania
Latencies, Haptics, & Passwords

PA Cyber Charter School, Midland, Pennsylvania
Dilan Nath Gangopadhyay (Grade 6)
Venetia, Pennsylvania
Disinfecting Dangerous Drinking Water

The Ellis School, Pittsburgh, Pennsylvania
Emma Ashley Burnett (Grade 8)
Pittsburgh, Pennsylvania
Using Thermoelectrics to Harness Household Waste Heat

USPA05

Reading and Berks Science and Engineering Fair

Governor Mifflin Middle School, Shillington, Pennsylvania
Marlin Anthony Thomas (Grade 8)
Shillington, Pennsylvania
The Effects of Sound Stimuli on Brown Marmorated Stink Bugs (Halyomorpha halys)

Puerto Rico

TEPR07

San Juan Archdiocesan Regional Science Fair

Academia San Ignacio de Loyola, San Juan, Puerto Rico
Stephen Joseph Campbell (Grade 6)
Guaynabo, Puerto Rico
Will Supplementing Candidatus Liberibacter asiaticus-Infected Hamlin Orange Trees with Compost Suppress Huanglongbing (Citrus Greening)?

TEPR10

SESO Regional Science Fair

Southwestern Educational Society, Mayagüez, Puerto Rico

Lex Tariq Feliciano Laracuente (Grade 8)

Mayaguez, Puerto Rico

Engineering Design for Solar Coffee Dryer Efficiency Improvement

South Carolina

USSC03

Low Country Science Fair

Porter-Gaud, Charleston, South Carolina

Gelsey Elise Jaymes (Grade 7)

Mount Pleasant, South Carolina

No More Oyster Roasts?: Effect of Increasing Atmospheric Carbon Dioxide on Oysters

South Dakota

USSD01

Northern South Dakota Science & Math Fair

Simmons Middle School, Aberdeen, South Dakota

Michael Andres Zaidel (Grade 8)

Hershey, Pennsylvania

Matter and Antimatter in the Visible Universe

Tennessee

USTN04

Southern Appalachian Science and Engineering Fair

Jefferson Middle School, Jefferson City, Tennessee

Lauren Elizabeth Eccles (Grade 7)

Jefferson City, Tennessee

Environmentally Apeeling? A Dual Focus Study Using Banana Peels for Copper Adsorption plus pH Effects

USTN06

Middle Tennessee Science and Engineering Fair

Meigs Magnet School, Nashville, Tennessee

Andrew Shuler Pelham (Grade 6)

Brentwood, Tennessee

The Effect of Material Stiffness on Capacity in an Origami Rainwater Collection System

Overbrook School, Nashville, Tennessee

Gabrielle Kaili-May Liu (Grade 7)

Nashville, Tennessee

Sodasonics: A Resonant Frequency Acoustic Lens

Texas

USTX01

Beal Bank Dallas Regional Science and Engineering Fair

Rice Middle School, Plano, Texas

Harshika Jha (Grade 7)

Plano, Texas

The Hangover that Lasts a Lifetime: Effect of Alcohol on Embryonic Development

Rice Middle School, Plano, Texas

Hrtithik Jha (Grade 7)

Plano, Texas

The Hangover that Lasts a Lifetime: Effect of Alcohol on Embryonic Development

Uplift North Hills Preparatory, Irving, Texas
Ishaan Manohar (Grade 8)
Irving, Texas
Magnet'elmet

Uplift North Hills Prepretory, Irving, Texas
Naman Jinen Adenwala (Grade 8)
Irving, Texas
Magnet'elmet

USTX01 and
USTX50

Beal Bank Dallas Regional Science and Engineering Fair
ExxonMobil Texas Science and Engineering Fair

Armstrong Middle School, Plano, Texas
Nathan David Wille (Grade 8)
Parker, Texas
Burning Me Softly: A Study of the Effects of Fabric Softener on the Flame Resistance of Clothing

Rice Middle School, Plano, Texas
Yesh Satyajit Doctor (Grade 8)
Plano, Texas
Clean Green Bioplastics: An Investigation Into the World of Biodegradable Plastics

Rice Middle School, Plano, Texas
Kshitij Sachan (Grade 8)
Plano, Texas
Clean Green Bioplastics: An Investigation Into the World of Biodegradable Plastics

Schimelpfenig Middle School, Plano, Texas
Burzin Poras Balsara (Grade 8)
Plano, Texas
Watts Up with Waste?: An Investigation and Design of Microbial Fuel Cells

USTX03
USTX50

Fort Worth Regional Science and Engineering Fair
ExxonMobil Texas Science and Engineering Fair

Harmony School of Innovation- Carrollton, Carrollton, Texas
Phillip Alan Boltan (Grade 8)
Flower Mound, Texas
Influence of Ionized Water on Plant Growth

USTX05

Science Engineering Fair of Houston

McCullough Junior High School, The Woodlands, Texas
Anthony Harrison Kedzierski (Grade 8)
The Woodlands, Texas
Rock 'n' Flow

McCullough Junior High School, The Woodlands, Texas
Andy Donghyun Kim (Grade 8)
The Woodlands, Texas
Enhanced Mixotrophic Growth of Chlorella vulgaris

Westbrook Intermediate, Friendswood, Texas

Amber Nha Chi Nguyen (Grade 8)

Houston, Texas

Can HUE See a Difference?

USTX05 and
USTX50

Science Engineering Fair of Houston

ExxonMobil Texas Science and Engineering Fair

McCullough Junior High School, The Woodlands, Texas

Varsha S. Iyer (Grade 8)

The Woodlands, Texas

Which Catalyst Is on Your List? Biodiesel, More Efficient than Ever

T. H. Rogers School, Houston, Texas

Joshua Thomas Hew (Grade 7)

Houston, Texas

STOP in the Name of Science!

Westbrook Intermediate, Friendswood, Texas

Syamantak Payra (Grade 8)

Friendswood, Texas

Photon Transmission & Quantum Efficiency of Photovoltaic Cells

USTX08 and
USTX50

South Plains Regional Science and Engineering Fair

ExxonMobil Texas Science and Engineering Fair

Laura Bush Middle School, Lubbock, Texas

Evelyn Marlo McCune (Grade 8)

Lubbock, Texas

Aero-Morphing

USTX11 and
USTX50

Alamo Regional Science and Engineering Fair

ExxonMobil Texas Science and Engineering Fair

Keystone School, San Antonio, Texas

Nia Myfanwy Clements (Grade 8)

San Antonio, Texas

Addicted to Sugar? A Chemotaxic Study of Artificial Sweeteners on C. elegans to Predict Human Behavior

Keystone School, San Antonio, Texas

John Charles Wilkins (Grade 8)

San Antonio, Texas

Future Asteroid Mining of Ceres: The Effects of a Second Moon in Earth's Orbit on Tides on the West Coast of the United States

USTX15

Coastal Bend Regional Science Fair

Santa Gertrudis Middle School, Kingsville, Texas

Miles Darden Mathis (Grade 7)

Kingsville, Texas

A Comparison of Feed Digestibility

School of Science and Technology, Corpus Christi, Corpus Christi, Texas
Draven Musashi Schooler (Grade 8)
Corpus Christi, Texas
Going Fast Is a Drag

USTX50

ExxonMobil Texas Science and Engineering Fair

McCullough Junior High School, The Woodlands, Texas
Maya Krishnan (Grade 8)
The Woodlands, Texas
Which Catalyst Is on Your List? Biodiesel, More Efficient Than Ever

Rice Middle School, Plano, Texas
Wenyao Li (Grade 8)
Plano, Texas
The Invisible River: Extracting Water from Air

Utah

USUT04

Central Utah Science & Engineering Fair

Centennial Middle School, Provo, Utah
Sarah Elizabeth Argyle (Grade 8)
Provo, Utah
Nitrate Removal through Ion Exchange

Eaglecrest Elementary, Lehi, Utah
Michael Robert Petersen (Grade 6)
Lehi, Utah
From That. . . To This. . . By Freezing?

Rocky Mountain Middle School, Heber, Utah
Matthew Caison Carter (Grade 7)
Wallsburg, Utah
Planaria: Perky, Pokey, Puny, or Pudgy

Sego Lily Elementary, Lehi, Utah
Gage William Blackwell (Grade 6)
Lehi, Utah
Grandpa's Table Top Antenna Might Be as Deaf as He Is

Traverse Mountain Challenger School, Lehi, Utah
Andy James Schlachter (Grade 6)
Draper, Utah
Designing and Validating a New and Inexpensive Method of Ozone Monitoring for Developing Nations

USUT05

Salt Lake Valley Science and Engineering Fair

J.E. Cosgriff Memorial Catholic School, Salt Lake City, Utah
Anna Lai-Jing Shum (Grade 8)
Salt Lake City, Utah
Parallax Powers

Midvale Middle School, Midvale, Utah
Peter William Vawdrey (Grade 8)
Draper, Utah
*Various Sources of Irrigation Water on Macro and Micro Nutrient Uptake in *Laurentia axillaris**

Virginia

USVA01

Northern Virginia Science and Engineering Fair

George Washington Middle School, Alexandria, Virginia

Ana Luisa Tio Humphrey (Grade 7)

Alexandria, Virginia

Constructed Wetlands and the Removal of Fecal Coliform in Four Mile Run

USVA05

Central Virginia Regional Science Fair

Bedford Middle School, Bedford, Virginia

Hannah Mae Steele (Grade 8)

Bedford, Virginia

Which Materials Can Block the Most Space Radiation?

Rustburg Middle School, Rustburg, Virginia

William Chase Carlson (Grade 8)

Rustburg, Virginia

The Effect of Temperature on Neurons

USVA08

Western Virginia Regional Science Fair

Hidden Valley Middle School, Roanoke, Virginia

Meagan Marie Gillette (Grade 7)

Roanoke, Virginia

Using Pill Bugs as a Bioindicator Species: Dose-response Avoidance of Pill Bugs to the Carbamate Pesticide Sevin and the Fertilizer Miracle-Gro and Upregulation of an Unknown Pill Bug Protein

Lucy Addison Middle School, Roanoke, Virginia

Kaylee Rachelle Ho (Grade 8)

Roanoke, Virginia

The Allelopathic Effect of Alfalfa and Black Walnut on Tomato

USVA09

Tidewater Science and Engineering Fair

Gildersleeve Middle School, Newport News, Virginia

Bryce James Edwards (Grade 8)

Newport News, Virginia

Identifying Chemical Contaminants through the Use of a Spectrophotometer

Page Middle School, Gloucester, Virginia

Allison Rianne Kladler (Grade 8)

Gloucester, Virginia

Effect of Soil Compaction in Relation to Granular Size of Soil Types

USVA10

Blue Ridge Highlands Regional Science Fair

Home School, Radford, Virginia

Blake Augustus Hall (Grade 8)

Radford, Virginia

Milk Replacer for Calves

Washington

USWA02

South Sound Regional Science and Engineering Fair

Aspire Middle School, Lacey, Washington

Aditi Kumar (Grade 8)

Lacey, Washington

The Optimization of Microbial Fuel Cell Structure to Generate More Electricity

Narrows View Intermediate School, University Place, Washington

Isaak Phuntsho Caves (Grade 7)

University Place, Washington

Making Wind Energy More Efficient

USWA02 and
USWA50

South Sound Regional Science and Engineering Fair Washington State Science and Engineering Fair

Aspire Middle School, Lacey, Washington

Shrey Aeron (Grade 6)

Olympia, Washington

Muddicity: Generate Electricity from Dirt

USWA50

Washington State Science and Engineering Fair

Eastside Preparatory School, Kirkland, Washington

Anisha Gauthami Mulumudi (Grade 6)

Snohomish, Washington

Effect of the Angle of Windshield on Flow Separation

Home School, Issaquah, Washington

Helen Claire Carson (Grade 8)

Issaquah, Washington

Investigating the Annual Formation of Water Ice Clouds at Mars Hellas Basin

Meridian Middle School, Kent, Washington

Caleb Daniel Bilodeau (Grade 8)

Kent, Washington

Broken Hydrogen Bonds

Sequim Middle School, Sequim, Washington

Brenden Alan Jack (Grade 7)

Sequim, Washington

What Caused Gertie to Gallop?

Sequim Middle School, Sequim, Washington

Sean Austin Weber (Grade 7)

Sequim, Washington

An Investigation of Variables which Affect HAB Development on the Pacific Coast of North America

West Virginia

USWV01

West Virginia Eastern Panhandle Regional Science Fair

Musselman Middle School, Bunker Hill, West Virginia

Sandrik Ian Tabidze (Grade 6)

Inwood, West Virginia

Box of Power to Go

Muhammad Ugur oglu Abdulla	15	Joshua Michael Courtney	19	Amir Helmy	13
Naman Jinen Adenwala	33	Andres Cruz-Sanchez	15	Catherine Marie Herrick	12
Ashwin Reddy Adulla	8	Aedan Stanley Cullen	20	Joshua Thomas Hew	34
Thea Carina Adumitroaie	9	Rebecca Alysse Dana	9	Sophia Marguerite Hewitt	5
Shrey Aeron	37	Arnob Das	28	Kaylee Rachelle Ho	36
Ivan Anders Altunin	24	Hamish Seth De La Cruz	9	Krystal Rose Horton	9
Alex Amash	11	Bryce Aaron Debok	23	Elin C. Hu	25
Divya Amirtharaj	29	Leo Z. Deng	29	Kevin Hu	21
Joseph Arogiam Anand	31	Catherine Grace Devlin	20	Joseph Arthur Huitt	10
Pranav Kumar Anandaraao	21	Yesh Satyajit Doctor	33	Ana Luisa Tio Humphrey	36
Fiona Sofia Anderson	11	Eleana Maurine Downs Perez	19	Shakson Kyoh Isaac	9
Sarah Elizabeth Argyle	35	David Michael Duncan	5	Nidhi Iyanna	27
Arushi Arora	21	Lauren Elizabeth Eccles	32	Pranav Indiresha Iyer	27
Chinaza Katherine Asiegbu	30	Caroline S. Edmonds	4	Varsha S. Iyer	34
Ethan Finn Aulwes	25	Bryce James Edwards	36	Brenden Alan Jack	37
Cameron Morgan Baab	10	Andy John Eggebraaten	22	Holly Marie Jackson	8
Shiva Balachander	7	Evan Robert Eichenauer	27	Joshua Murphy Jacob	18
Gary Wayne Baldwin	14	Alex Christian Faintich	23	Aditya Jain	30
Burzin Poras Balsara	33	Nathan Andrew Feix	27	Avni Jain	22
Lauren Ashley Barber	25	Lex Tariq Feliciano Laracuente	32	Gelsey Elise Jaymes	32
Nikhil Behari	31	Sebastian Julio Figueroa	9	Harshika Jha	32
Gaurav K. Behera	22	Calista Jia Xin Foo	15	Hrithik Jha	32
Rinni Bhansali	25	Matthew Lane Fosdick	3	Benjamin Jiang	18
Sangeetha Bharath	5	Linus Alexander Freyer	14	Cameron Cole Jones	10
Caleb Daniel Bilodeau	37	Abigail Elizabeth Gagnon-Vishnefsky	25	Celeste Maida Jongeneelen	16
Gage William Blackwell	35	Raghav Ganesh	8	Megha Nitin Joshi	29
Meghana Chowdary Bollimpalli	3	Dilan Nath Gangopadhyay	31	Anusha Kalavacharla	30
Phillip Alan Boltan	33	Anita Garg	4	Patrick David Kao	10
Davis Rush Boring	10	Sanjay Sastry Garimella	17	Anusha Karandikar	14
Benjamin S. Branda	17	Vandita Garimella	23	Ananya Karthik	6
Daniel Sebastian Bruce	6	Makayla Ruth Gates	24	Christopher Dale Katz	14
Deveshi Buch	6	Naren Mallik Gaurav	28	Anthony Harrison Kedzierski	33
Emma Ashley Burnett	31	Kendra Anne Geisbrecht	17	Akhil Sai Kesaraju	18
Zofia Natalia Caes	13	Alden Shea Giedraitis	20	Nadia H. Khan	21
Stephen Joseph Campbell	31	Meagan Marie Gillette	36	Zohair Ismail Khan	22
William Chase Carlson	36	Daniel Anthony Giordano	3	Sahar A. Khashayar	4
Helen Claire Carson	37	Yesh Sachin Godse	28	Elliot S. Kienzle	19
Matthew Caison Carter	35	Brandon J. Gong	25	Andy Donghyun Kim	33
Isaak Phuntsho Caves	37	Andres Sebastian Gonzalez	9	Kevin Kim	8
Hannah Olivia Cevasco	10	Floyd S. Greenwood	20	Allison Rianne Kladler	36
Aman Bhaskar Chandan	9	Glenn Manuel Grimmett	15	Cameron Walker Knoll	22
Sebastian Y. Chang	24	Sanjeev Melchizedek Gunawardena	26	Kotaro Kojima	26
Karen Lin-Lin Chen	20	Aneesh Gupta	29	Aaron Kornfeld	5
Kevin X. Chen	31	Ayush S. Gupta	7	Preetha Srikanth Krishnamurthy	8
Tian Chen	7	Shayle Gupta	8	Maya Krishnan	35
Benjamin Joseph Chrepta	21	Blake Augustus Hall	36	Aditi Kumar	37
Emma Kathrine Christensen	26	Stephanie H. Hall	30	Medha Kumar	29
Leif Charles Clark	23	Kelly Jalin Han	28	Brittney Madyson Kuntz	22
Nia Myfanwy Clements	34	Christopher Gerard Hanwacker	12	Emily Aiko Kurth	16
Mariela E. Coholan	20	Archita Nitya Harathi	29	Michael Kwan	7
Analisa Marie Conway	18	Alexander Wesley Hardin	3	Stephen Marcus Larzelere	19
Harrison Philip Coorey	8	Sanjiv Harikumar	24	Joonhyuk Lee	6
Nathanael Charles Costa	30	Abbey Joan Havel	13	Colton Chance Lewis	15

Wenyao Li.....	35	Lydia Mariam Pinkhassik.....	23	Jackson Kenneth Tankersley.....	27
Hannah Marie Linder.....	24	Laura Lynn Powers.....	7	Ava Jane Teasley.....	16
Benjamin Cheung Liu.....	5	Amrita Purkayastha.....	11	Talar Victoria-Grace Terzian.....	13
Gabrielle Kaili-May Liu.....	32	Albert W. Qin.....	6	Claire Jeanne Thai.....	3
Tiffany Liu.....	14	Muhammad Shahir Rahman.....	29	Marlin Anthony Thomas.....	31
Kristen Mckenzie Locker.....	12	Osiris Ramos. Jr.....	14	Dylon Matthew Tjanaka.....	8
Nivedha Loganathan.....	18	Shreya Saraswati Ranganath.....	6	Emilia Frances Topp-Johnson.....	22
Marin Elizabeth Lonnee.....	16	Brindha Priya Rathinasabapathi.....	13	Annika Frances Urban.....	31
Joseph Daniel Lou.....	4	Anika Rawat.....	26	Sreya Vangara.....	19
Kirstin Ruth Lovely.....	30	Emily Milan Rea.....	24	Peter William Vawdrey.....	35
Marcus Xavier Stand Luebke.....	9	Aadil Mohammed Rehan.....	6	Kavin Srikanth Vedamoorthy.....	28
Ricky Yu Yen Ma.....	17	Lucas Lee Ritzdorf.....	23	Ashwin Veeramani.....	26
Ian D.D. Mail.....	28	Tyler Edward Robertson.....	5	Abhinav Vetcha.....	30
Ishaan Manohar.....	33	James Peter Roney.....	10	Kavitha Vudatha.....	16
Gregory Mcneil Martin.....	6	Edward Ross.....	7	Brenna Caroline Wallin.....	18
Nathaniel Julio Martinez.....	24	Kshitij Sachan.....	33	Sean Austin Weber.....	37
Delaney Brynn Matasic.....	3	Hafsa Naseem Saeed.....	12	Xuchen Wei.....	17
Miles Darden Mathis.....	34	Natasha Saputra.....	27	Madelyn Shayne White.....	13
Evelyn Marlo Mccune.....	34	Andy James Schlachter.....	35	John Charles Wilkins.....	34
Evan Patrick McLoughlin.....	16	Michael Wayne Schoenberger.....	11	Nathan David Wille.....	33
Gabriel Hunter Mesa.....	12	Draven Musashi Schooler.....	35	Grant Donovan Womble.....	15
Camille Alden Miles.....	13	C.G. Schultz.....	3	Alice Ming-Chi Wu.....	26
Durga Prasanna Mishra.....	27	Gregory David Schwartz.....	18	Jonathan Wu.....	12
Deepto Mizan.....	29	Anooshree Lauren Sengupta.....	10	Katherine Jean Wu.....	19
Bibi Soraya Moghani.....	16	Jonathan Paul Sepulveda.....	14	Jeffrey Wang Xing.....	4
Prastik Mohanraj.....	11	Tathya Vipul Shah.....	4	Michelle C. Xu.....	4
Dmitri Raoul Morales.....	13	Ilana Susan Shapiro.....	10	Sherry Yueh Xu.....	4
Rajiv Movva.....	7	Haniya Shareef.....	12	Daniel Stephan Yacoubian.....	5
Anisha Gauthami Mulumudi.....	37	Megha Sharma.....	20	Sohan Yadav.....	21
Ronak Kiran Mundkur.....	7	Alexander Lloyd Shelby.....	17	Liam Hayden Young.....	11
Chythanya Murali.....	4	Nicole Elizabeth Sherwood.....	3	Michael Andres Zaidel.....	32
Anish Muthali.....	7	Kaushik Shivakumar.....	11	Anusha Zaman.....	19
Jonathan Andrew Myers.....	23	Elijah Shuford.....	25	Shaya Zarkesh.....	7
Nandini Tondamantham Naidu.....	30	Anna Lai-Jing Shum.....	35	Zoe Zawol.....	5
Atneya Santosh Nair.....	27	Joshua Scott Silverman.....	30	Jacqueline Jia Xing Zhang.....	30
Shifra Rajani Narasimhan.....	26	Noah Gabriel Singer.....	19		
Andrew Basil Nazareth.....	7	Anshul Singh.....	6		
Amber Nha Chi Nguyen.....	34	Aditya Diwakar Sivakumar.....	29		
Charlotte Anne Nickerson.....	21	Arjun Raghav Somayazulu.....	28		
Caroline Grace Nolan.....	15	Hari Sowrirajan.....	11		
Jonathan Guanghong Okasinski.....	31	Jonathan Tadashi Spangler-Sakata.....	16		
Isaiah Logan Dewitt O'neal.....	5	Ferryn Amelia Spence.....	8		
Annie Ostojic.....	17	Hannah Mae Steele.....	36		
Nadine Oury.....	31	Audrey Grace Stone.....	17		
Karthik Papisetty.....	22	Zachariah Edward Stone.....	26		
Rishabh Parekh.....	21	Yushan Su.....	9		
Rohin Patel.....	12	Ruchira Udara Sumanasekera.....	18		
Nitin Pauletti.....	28	Melinda Meilin Sun.....	28		
Syamantak Payra.....	34	Nathan T. Suri.....	25		
Andrew Shuler Pelham.....	32	Ammar Sabih Syed.....	12		
Leonardo Ezekiel Pena.....	10	Sandrik Ian Tabidze.....	37		
Nicholas Antonio Perez.....	9	Jennifer Michelle Tabola.....	20		
Michael Robert Petersen.....	35	Amelia Ryann Talkington.....	4		



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