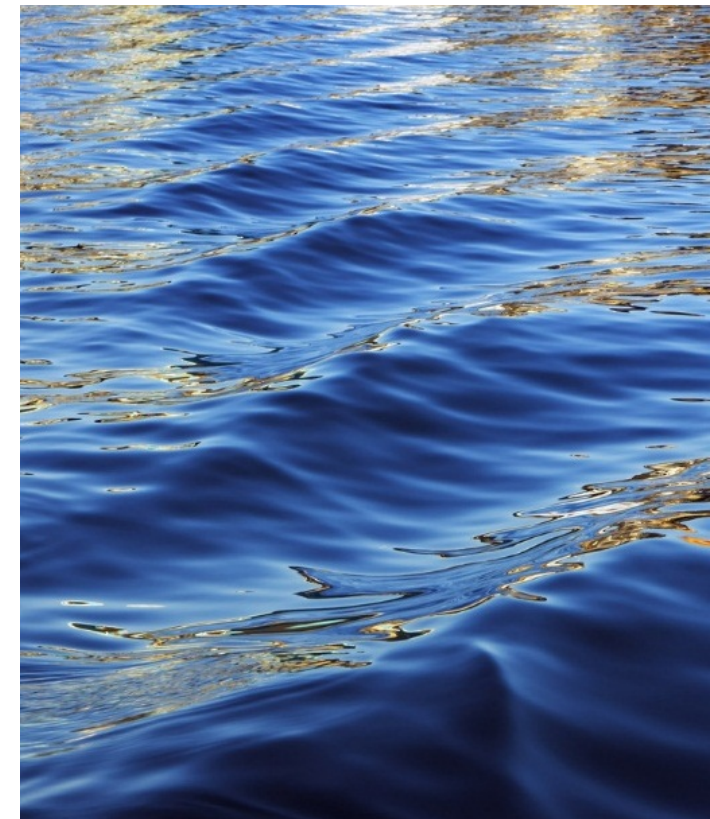




2021

San Juan Regional Science and Engineering Fair

Awards Ceremony



Thank you to our sponsor:

SAN JUAN COLLEGE
Foundation

NMJAS Scientific Paper Competition

4th.	Nathaniel Jobe
3rd.	Luke Venturina
2nd.	Jordyn Begay
1st.	Lia Wilford





Special Awards



Office of Naval Research Science & Technology

- **Lilliona Benally** - Instrumented COVID-19 Mask
- **Emily Boognl** - Mask It
- **Ana Villa** - Do Submarines Need Fins?
- **Jaden Shirley** - Extraction and Isolation of Caffeine in Teas

United States Air Force



- **Alexandra Bessinger** - Food Carbs and Artificial Pancreas

American Meteorological Society



- **Amber White** - Deleterious Effects of Atmospheric Sulfur Dioxide (SO₂)
- **Odin McMinn** - Filtration Station 2.0

American Psychological Association

- **June Loukinas – Techno Takeover**



ASM MATERIALS
EDUCATION FOUNDATIONSM

ASM Materials Education Foundation

- **Aden Holmes** - Heat Insulation Variables

Association for Women Geoscientists



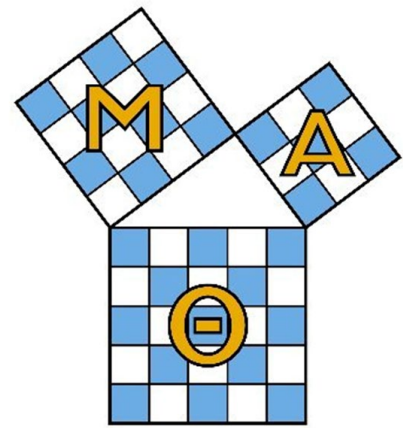
- **Amber White** - Deleterious Effects of Atmospheric Sulfur Dioxide (SO₂)

Lemelson Early Inventor Prize



- **Alexandra Bessinger** - Food Carbs and Artificial Pancreas

Mu Alpha Theta

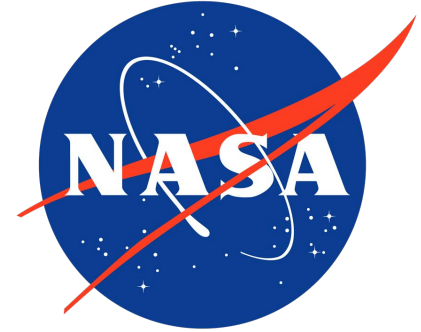


- **Jordyn Begay** - Identification of the Artificial Synthesis of Aromatic Amino Acid Tyrosine, Based on $\pi\pi^*$ Absorbance Peaks

U. S. Metric Association

- **Jordyn Begay** - Identification of the Artificial Synthesis of Aromatic Amino Acid Tyrosine, Based on $\pi\pi^*$ Absorbance Peaks

NASA Earth System Science Award



- **Jordyn Begay** - Identification of the Artificial Synthesis of Aromatic Amino Acid Tyrosine, Based on $\pi\pi^*$ Absorbance Peaks

National Oceanic and Atmospheric Administration



- **Amber White** - Deleterious Effects of Atmospheric Sulfur Dioxide (SO₂)

Ricoh USA, Inc.



- **Easten Gibbs** - Aquaponics -vs- Hydroponics

U.S. Stockholm Junior Water Prize



- **Lia Wilford** - Dual-Purpose Dual-Sided Solar Water Heater and Electric Generation
- **Nathaniel Jobe** - Isolation of *E. aerogenes* & *M. luteus* Bacteriophages from Environmental Samples

U.S. Agency for International Development (USAID)



- **Odin McMinn – Filtration Station 2.0**

Yale Science and Engineering Association



- **Lia Wilford** - Dual-Purpose Dual-Sided Solar Water Heater and Electric Generation



Category Awards

Elementary Division



- 3rd Place **Paige Kimball** - Paw Forensics
- 2nd Place **Abraham Hess** - Which cheesecake method is the best: Traditional, New York, or Water bath
- 1st Place **Grace McWilliams** - A Way to Stop the Radiation Problem



Junior Division – Biology

- Honorable Mention **Gladys Dunn** - Bubble Trouble
- 3rd Place **Finnigan Raines** - Does Microwaved Water Kill Plants
- 2nd Place **Odin McMinn** - Filtration Station 2.0
- 1st Place **Easten Gibbs** - Aquaponics vs Hydroponics



Junior Division – Medical & Behavioral Science

- Honorable Mention **Cristian Pappan** The Recreational Affects of the Covid-19 Pandemic
- 3rd Place **June Loukinas** Techno Takeover
- 2nd Place **Alexandra Bessinger** Food Carbs and Artificial Pancreas
- 1st Place **Emily Boognl** Mask It

Junior Division – Physics & Engineering



- Honorable Mention **Savannah Davis** - Melting Ice
- 3rd Place **Ana Villa** - Do Submarines Need Fins?
- 2nd Place **Ian Gladden** - Fruits to Power
- 1st Place **Aden Holmes** - Heat Insulation Variables



Senior Division – Chemistry

- 2nd **Jaden Shirley** - Extraction and Isolation of Caffeine in Teas
- 1st **Luke Venturina** - Indole Glycoside Synthesis



Senior Division – Life Sciences

- 3rd **Amber White** Deleterious effects of atmospheric sulfur dioxide
- 2nd **Jordyn Begay** Identification of the Artificial Synthesis of Aromatic AA
- 1st **Nathaniel Jobe** Isolation of E.aerogenes & M.luteus Bacteriophages

Senior Division – Physics and Engineering




- 3rd **Lilliona Benally** - Instrumented COVID-19 Mask
- 2nd **Stephen Timme** - Connection Conundrum
- 1st **Lia Wilford** - Dual-Purpose Dual-Sided Solar Water Heater and Electric Generation

Broadcom Masters Qualifier

- **Easten Gibbs - Aquaponics -vs- Hydroponics**





State Qualifiers

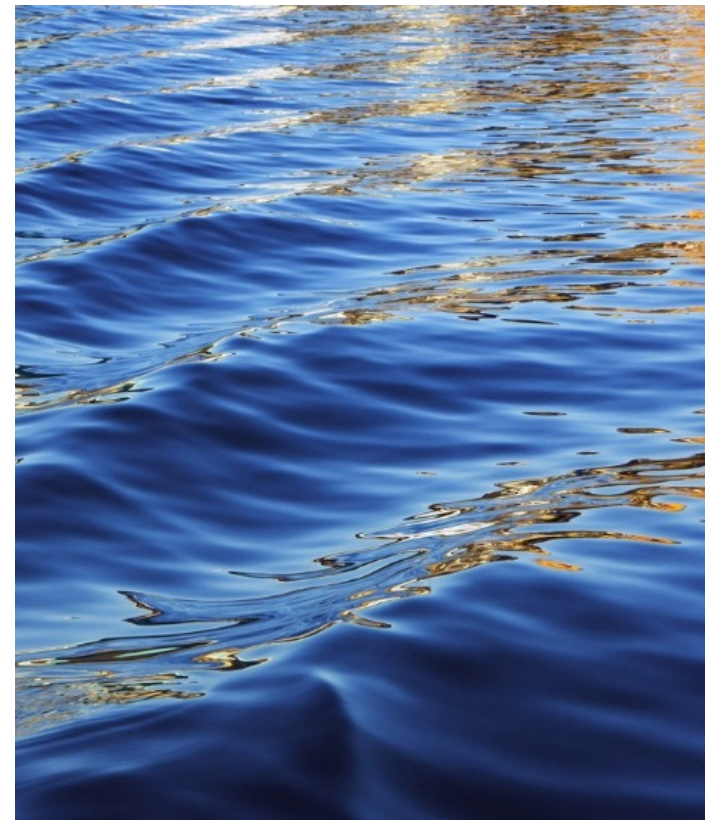
State Qualifiers



- **Odin McMinn** Filtration Station 2.0
- **Easten Gibbs** Aquaponics vs Hydroponics
- **Alexandra Bessinger** Food Carbs and Artificial Pancreas
- **Emily Boognl** Mask It
- **Ian Gladden** Fruits to Power
- **Aden Holmes** Heat Insulation Variables
- **Jordyn Begay** Identification of the Artificial Synthesis of Aromatic AA
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Overall Winners



Overall Winners

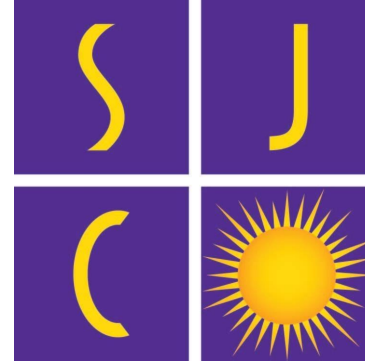


- Overall Winner- Junior **Easten Gibbs** - Aquaponics vs Hydroponics
- Overall Runner Up - Senior **Jordyn Begay** - Identification of the Artificial Synthesis of Aromatic AA
- Overall Winner - Senior **Nathaniel Jobe** - Isolation of *E.aerogenes* & *M.luteus* Bacteriophages



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Thank you!