



2022 Symposium Participants



| Category | Name (first last) | Grade | E or D | Project Title | School |
|----------------------------|------------------------|-------|--------|---|----------------------------|
| Aerospace | | | | | |
| | Alaina Valmassei | 9th | E | Effect of Aspect Ratio on Stall Angle | Lane Tech College Prep |
| Behavioral Science | | | | | |
| | Matthew Bell | 12th | E | Color Psychology in Test Situations | Amundsen High School |
| | Sophia Flores | 9th | E | The Power of Suggestion | Amundsen High School |
| | Dennis Thomas | 10th | E | Effect of Physical Activity on Memory | Lane Tech College Prep |
| Biochemistry | | | | | |
| | Autumn Wallis-Schwartz | 11th | E | Effect of Liquids on Fruit Browning | Amundsen High School |
| Botany | | | | | |
| | Sebastian Pacheco | 11th | E | Effect of Vermicast Comp. on Plant Growth | Lane Tech College Prep |
| | Kathryn Warren | 11th | E | Electro-Growth | Amundsen High School |
| Chemistry | | | | | |
| | Colleen Kompare | 9th | E | Effect of Temperature on Fuel Cell Efficiency | Amundsen High School |
| | Maya Wagner-Tyree | 10th | E | Effect of Chemical Treatment On Cotton Fibers | Lane Tech College Prep |
| Computer Science | | | | | |
| | Lucinda Dear | 11th | E | Hidden Layers: Theoretical Neurons that Dictate Deep Learning Algorithms. | Amundsen High School |
| | Maya Joshi | 11th | D | ML Model for Cranial Age Estimation | Walter Payton College Prep |
| Electronics | | | | | |
| | Usanbolor Amartuvshin | 11th | D | Smart Reflection | Von Steuben MSC |
| Engineering Science | | | | | |
| | Henry Darlage | 10th | D | Global Warming is Not Cool | Von Steuben MSC |
| | Sixtus Gomez | 9th | E | The fastest possible boarding method for commercial airlines | Amundsen High School |
| | Michael LeMasters | 12th | E | Examination of Common Security Devices | Amundsen High School |
| | Priyanshi Patel | 11th | D | Helping Bot | Von Steuben MSC |

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|------------------------------|------------------|------|---|--|----------------------------|
| Environmental Science | | | | | |
| | Sydney Coomer | 10th | E | The Effect of Water Temperature on CO2 Levels | Lane Tech College Prep |
| | Briana Duong | 10th | E | What windmill turbine blade design will produce the most energy? | Von Steuben MSC |
| | Julian Olszewski | 11th | E | Effect of Short-Chain PFASs on P. lunula | Lane Tech College Prep |
| | Shreya Patel | 10th | E | Effect of Chlorine Bleach on Different Metals | Lane Tech College Prep |
| | Nicole Sandu | 12th | E | Effect of Phytoremediation on Eutrophication | Lane Tech College Prep |
| Health Science | | | | | |
| | Levi Green | 9th | E | How Vaccination Against COVID-19 Affects It's Spread In America | Amundsen High School |
| | Riya Joshi | 11th | E | Characterization of BRAFi Resistant Melanoma | Walter Payton College Prep |
| | Nayana Shah | 9th | E | The Effect of Blue Light on Eye Strain | Lane Tech College Prep |
| | Ritvik Viniak | 11th | D | CDK6 Knockdown in the Treatment of HCC | Walter Payton College Prep |
| Microbiology | | | | | |
| | Jessica John | 12th | E | Effect of Acne Meds on Bacillus subtilis | Lane Tech College Prep |
| Physics | | | | | |
| | Lisa Patel | 11th | E | Propeller Design Efficiency | Amundsen High School |

E - Experimental

D - Design