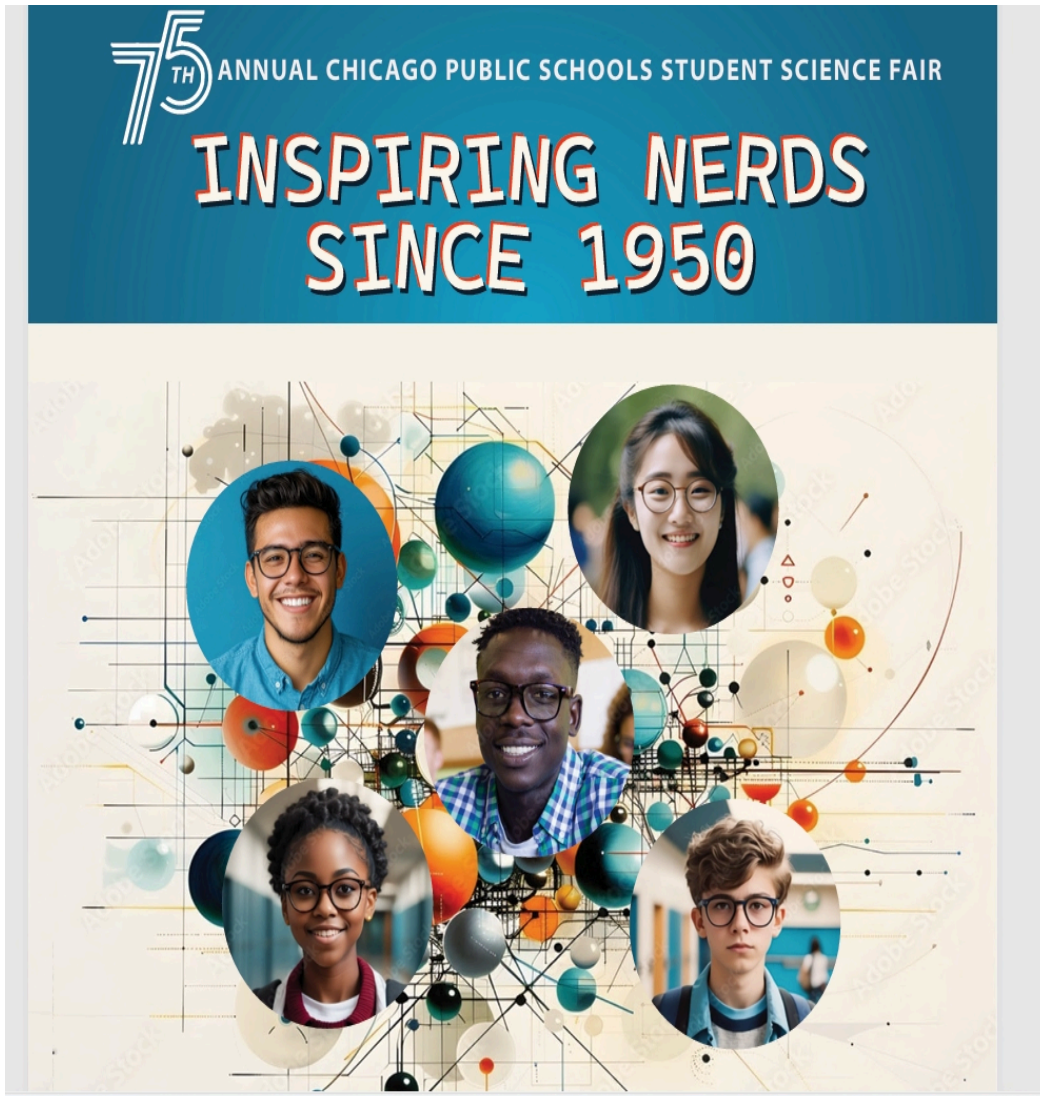


2025 PROGRAM BOOK

**75th ANNIVERSARY OF THE CPS Exhibition of Student Research
CHICAGO PUBLIC SCHOOLS STUDENT SCIENCE FAIR, INC**

Inspiring Nerds Since 1950



**2025 EXHIBITION OF STUDENT STEM RESEARCH
Griffin Museum of Science & Industry,
Wednesday, March 12, 2025 - Sunday, March 16, 2025
Awards Presentations, Sunday, March 16, 2025**

<https://cpsstemfair.org/>

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Office of Teaching and Learning



In memory of Luba Johnson and all who have made their transition

Chicago Public School Student Science Fair, Inc

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More information <https://cpsstemfair.org/>

Schedule of Events

Thursday, March 13, 2025- Symposium

8:30 A.M. – 11:30 A.M	Symposium Morning Sessions (Rooms Auditorium, Balcony, Little Theater)
11:30 A.M. - 12:45 P.M	Symposium Luncheon by invitation only <i>Guest speaker- TBA</i>
1:00 p.m. - 3:30 P.M.	Symposium Afternoon Sessions (Rooms: Balcony, Crime Lab, Little Theater)

Thursday, March 13, 2025- Project Setup

8:00 A.M. – 12:00 P.M.	Middle School Setup (GMSI- West Pavilion)
12:00 P.M. - 4:00 P.M.	High School Setup (GMSI- West Pavilion)

Friday, March 14, 2025- Exhibit Judging

7:15 A.M.- 8:00 A.M.	Judges Continental Breakfast (West Pavilion)
8:00 A.M.- 8:30 A.M	Judges Briefing (Auditorium- West Pavilion)
8:30 A.M. -8:45 A.M	Opening Ceremony- Welcome Celebration
8:45 A.M – 12:00 P.M	Judging of Exhibits (West Pavilion) Academic, Special awards & ISEF
11:30 A.M. – 1:00 P.M	All students' lunches in the Balcony according to Exhibit # Judges lunch on the Balcony starting at 11:00 A.M ISEF judges' lunch on the Balcony or Crime Lab Special Awards judges on the Balcony
1:00 P.M – 3:00 P.M	Judging of Exhibits cont .(West Pavilion)
2:00 P.M.- 3:30 P.M	Open to the Public
3:30 P.M. – 4:00 P.M	PROJECTS ARE TAKEN DOWN <u>IF STUDENT IS NOT</u> ATTENDING SATURDAY

Saturday, March 15, 2025

9:00 A.M. – 12:00 P.M.	City STEM Exhibition Research Open to the Public (West Pavilion)
11:00 A.M. - 1:00 P.M.	Sixth-Grade Regional Exhibition Winners Luncheon Balcony by Invitation Only

Sunday, March 16, 2025 Awards Ceremony

1:00 P.M. – 3.00 P.M.	Awards Ceremony (Auditorium - by ticket only)
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About the Chicago Public Schools Exhibition of Student STEM Research

About the Exhibition

We are proud to present the 75th Anniversary of the Chicago Public Schools (CPS) Exhibition of Student STEM Research. The exhibition originated in 1950 as a vehicle to encourage and motivate young high school science students. Since then, a volunteer army of teachers and administrators has sustained this exemplary program. The objectives of the CPS Student STEM Exhibition are to:

- provide opportunities and support for students to conduct authentic research.
- expose students to diverse STEM learning communities.
- obtain scholarships for selected Chicago Public Schools graduating seniors.
- maintain perpetual interest in fostering scientific and design research, invention, and technological development.
- promote scientific/design interests and hobbies of students.
- conduct an annual student STEM exhibition, symposium and essay contest.

School, Regional and City Student STEM Exhibitions

Prior to the 2020-2021 Pandemic, more than 8,000 students entered projects, beginning at the local school level. Local school winners exhibit at the regional level. This 2024-2025 school year, there were over 340 students from 65 schools who competed in their local science fair. These students participated at the 5th Annual Virtual Regional STEM Exhibition held on Thursday, February 20, 2025. There are 350 students participating in the 75th Anniversary CPS Exhibition of Student STEM Research which will be IN PERSON from March 13-16, 2025. The CPS Exhibition of Student STEM Research is always held in the spring.

Student STEM Symposium and IJAS Essay Contest

Additional components of the exhibition are the CPS Student STEM Symposium and IJAS Essay Contests. High school students participate in the symposium competition, presenting their research to a panel of judges. High school students and 7th- and 8th-graders participate in an essay

contest, writing about a given contemporary issue in science.

State and International Exhibitions

Each year, approximately 50 projects are selected to participate in the Illinois Junior Academy of Science (IJAS) State Fair, and 15 research paper presentations are delivered at the IJAS. This event is scheduled May 3-4, 2025 at the University of Illinois Urbana Champaign. In addition, four top-scoring students from the CPS Exhibition of Student STEM Research will participate at the International Science and Engineering Fair (ISEF), which will be held in Columbus, Ohio from May 10-16, 2025.

Sponsors

Primarily, the CPS Student Science Fair, Inc. has three sponsoring organizations. The Chicago Public Schools, Office of Teaching and Learning, Dept of STEM is the host department for CPSSSF, employing the Regional STEM Exhibition Coordinators, CPS/SSF Liaison and contributing operational funds to run the exhibition each year. We have returned to the Griffin Museum of Science & Industry for the 75th Anniversary of the citywide Student STEM Exhibition. Chicago-area corporations spearhead the drive within the Chicago business community to obtain the necessary financial support for a successful Student STEM Exhibition experience. People Gas & Energy and ComEd are this year's corporate sponsors.

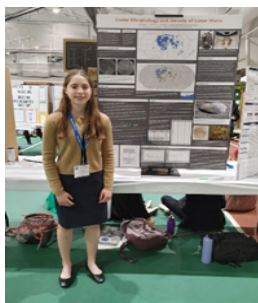
How You Can Help

To help the CPS Student STEM Exhibition and encourage students to consider careers in the STEM fields, monetary contributions must be solicited.

Please consider being a contributor to the operating fund, scholarship fund, or providing special awards and tours prizes. Please send a letter of interest to contribute to CPS Student Science Fair, Inc., P.O. Box 803945, Chicago, IL 60680-3945, or visit website at <https://cpsstemfair.org>

2023-24 CPS Exhibition of Student STEM Research

IJAS -Millikin University, Decatur, Illinois



Contributors 2024 - 2025 at the time this was published.

Operating Fund

Donations to the Operating Fund help produce the City Exhibition of Student STEM Research, the Regional Virtual Fair, and programs supporting students' independent research for Student STEM Exhibition.

ACADEMIC SPONSOR	EXECUTIVE CIRCLE \$5000	PATRONS-\$500 MINIMUM
CPS, Office of Teaching & Learning-Dept of STEM	Roy Coleman & Dianne Uchida Ken Zdunek & Mary	
SITE SPONSOR	ANGELS- \$1,000 MINIMUM	DONORS \$100 MINIMUM
Griffin Museum of Science & Industry	Anonymous Ernest Kaminski McMaster-Carr Supply Company James M Schaletter Fund (CCF)	Elizabeth Copper Barry Finkel Denise Gamble David Gilligan Stephen McVeigh Naylor Pipe Company Patrick Riley

Corporate Sponsors
Anonymous Peoples Gas Community Fund

Scholarship Fund

Donations to the Scholarship Fund go to qualified CPS high school seniors who have submitted a project at the Virtual Regional and City-wide Student STEM Exhibitions and will major in a STEM field in college. Donations to Special Awards go directly to students, whose projects meet criteria set by the donors and are selected by Special Awards Judges.

Benefactors of Academic Scholarship

University/College	Angels \$1.000 MINIMUM	Other Amounts
Depaul University Illinois Tech (IIT) Loyola University	Roy Coleman & Dianna Uchida Kovler Family Foundation	Active Office Solutions LLC Edward Burton

University of Chicago University of Illinois Chicago	Marlyn Levin Henry Rosenbaum Melanie Wojulewicz	Elizabeth Copper Phyllis Creek Denise Gamble David Gilligan Joanne & Kenneth Gray Barbara Grilley Judith Hasson Ethelene Hare Alan Insley Thelma Bond-Johnson Michael & Marshan Leib Stephen McVeigh Allan Reisberg Mark Renz Rosemary Smith Karen Strabel Donna Tarbunas
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Special Awards 2024-2025

Donations to the Scholarship Fund go to qualified CPS high school seniors who have submitted a project at the Virtual Regional and City-wide Student STEM Exhibitions and will major in a STEM field in college. Donations to Special Awards go directly to students, whose projects meet criteria set by the donors and are selected by Special Awards Judges.

Angels-\$1,000 MINIMUM

- Fogelson Family Foundation
- Illinois Intellectual Property Alliance
- Omega Psi Phi-Iota Chapter

Other Amounts

- Charles B. Brown Jr
- Janice Lemar Brown
- Charms, Inc
- Chicago Section STLE

- Copper's Encouragement Award
- Denise Gamble
- Gonzalzes, Rivera, Wahlberg, James,
Roger Award
- Illinois Speech-Language
- Carolyn McBride
- Gary Morrissey
- National Technical Association
- Dixie Reyes
- Science Merit

Special Awards cont

- Cynthia Slater Insurance Agency
- Sharper Focus
- Slater Association
- Teach Our Children, In
- Young Scientists

Symposium and Essay Contests

Symposium Information

Symposium is an integral and popular feature of the Chicago Public Schools Exhibition of Student STEM Research. This event held on Thursday, March 13, 2025, takes place at Griffin Museum of Science & Industry, West Pavilion. Student presenters from Grades 9-12, through their teacher sponsor, first submit a scientific research paper. In January/February, a committee of volunteer readers evaluated these papers, and these research papers were chosen to be presented on Thursday, March 13, 2025. Each student must have performed the primary research described in their paper, must defend the scientific merit of the research and display written and oral communication skills. During the Symposium competition, a panel of judges from the scientific, academic, and business communities listen to, question, and evaluate each presentation. Fifteen finalists are selected to participate at the Illinois Junior Academy of Science (IJAS) State Science Fair at University of Illinois Urbana Champaign in Champaign, Illinois on May 2nd and May 3rd, 2025.

City Paper Number/ Type	Name	GRD	Title	School	NTWK
AEROSPACE SCIENCE					
601E	Nicholas Bernstein	10th	The Effect of Taper Ratio on Lift/Drag Ratio	Lane Tech College Prep	14
602E	Ethan Hui	11 th	Effect of Airfoil Serration Density on Noise	Lane Tech College Prep	14
603E	Olivia Jones	11th	Effect of Green Oxidizers on Specific Impulse	Lane Tech College Prep	14
AGRICULTURE					
604E	Elena Diaz	10 th	Microgravity's Effect on Mung Bean Growth	Amundsen High School	14
ASTRONOMY					
605E	Ramona Harold	10 th	CMEs and Solar Flares on SEP Events	Amundsen High School	14
606E	Bu Long	11 th	Chemical Abundances in High Redshift Galaxies	Payton College Prep	15
607D	Eva Weber	12 th	Exoplanet Detection via Radial Velocity	Northside Prep	14
BEHAVIORAL SCIENCE					
608E	Julia Kwiek	11th	Pronoun Relations In Social Media (PRISM)	Northside Prep	14
609E	Isadora Queiroz	9th	The Power of Suggestion	Amundsen High School	14
610E	Daphne Suckow	10th	The Effect of Aphantasia on Visual Memory	Lane Tech College Prep	14
BIOCHEMISTRY					
611E	Emily Ba	11th	Effect of the Gut Microbiome on C8H9NO2 Tox	Lane Tech College Prep	14
612E	Diego Landeros	11th	Nitroisoxazole GPX4 Inhibitor Conjugate	Lane Tech College Prep	14
CELLULAR & MOLECULAR					
613E	Eric Kim	11 th	The Potential of PACAP to Treat TBI	Payton College Prep	15
614D	Saatvik Viniak	9 th	Drugging the "Undruggable" Cancer, HCC	Payton College Prep	15
CHEMISTRY					
615E	Saskia Weisgerber	9th	The Effect of Chill Time on Tensile Strength	Lane Tech College Prep	14

COMPUTER SCIENCE					
616D	Maya Spatz	10 th	Colored Light Alerts On Blood Glucose Control	Lane Tech College Prep	14
EARTH SCIENCE					
617E	Adya Bhushan	10th	Effect of Lunar Regolith on Plant Biomass	Lane Tech College Prep	14
ENGINEERING					
618D	Adrian Lee	12 th	Automating Denitrification by Electrolysis	Lane Tech College Prep	14
619D	Divinefavour Osuji	12th	Sensor Fusion and Materials in Health Monitor	Lane Tech College Prep	14
ENVIRONMENTAL SCIENCE					
620E	Elliana Cagua	10th	A Water Filter From Nature	Amundsen High School	14
621E	Riley Coomer	11th	Effect of Seasons on Urban Algae Biodiversity	Amundsen High School	14
622E	Alexander Czempinski	12th	Effect of Springtails on Invertebrate Diversity	Lane Tech College Prep	14
623E	Jason Lukian	11th	Effect of Coral Reef Species Against Flooding	Lane Tech College Prep	14
624E	Yairely Marchan	11th	Effect of Remediation on Allelopathy	Lane Tech College Prep	14
625E	Payman Rajaie	11th	The Effect of Road Salt on Plant Biodiversity	Lane Tech College Prep	14
626E	Anna Tataryn	11th	Effect of Mulch from Waste on Plant Growth	Lane Tech College Prep	14
627D	Leah Wu	10th	Factors Influencing Hydrogen Production	Payton College Prep	15
HEALTH SCIENCE					
628E	Anaya Joshi	11th	Retinal Ganglion Cell Degeneration in Glaucoma	Payton College Prep	15
629E	Landra Ream	12 th	Optimizing Cisplatin Outcomes via Expression	Lane Tech College Prep	14
MATERIALS SCIENCE					
630E	Ella Schieleit	10th	MOF Carbon Dioxide Adsorpt & Regention Potent	Northside Prep	14
MATHEMATICS					
631M	Bogdan Jones	11th	Twisted Prime Pairs	Payton College Prep	15

632M	Sophie Yu	9th	Catalan Sequences and Transformations	Payton College Prep	15
MICROBIOLOGY					
633E	Daniella Kim	10 th	The Effect of SLS and CaCO ₃ on Oral Bacteria	Lane Tech College Prep	14
634E	Gianna Rimando	10 th	Effect of Ultrasound on Algae Photosynthesis	Lane Tech College Prep	14
635E	Nayana Shah	12 th	The Effect of aBL Intervals on S. Epidermidis	Lane Tech College Prep	14
636E	Griffin Stofko	12th	Effect of BPA on E. coli OMP Expression	Lane Tech College Prep	14
637E	Lana Surgit	11th	Effect of Supplements on CVD	Lane Tech College Prep	14
PHYSICS					
638E	Sophia Curry	10th	Hand-Powered Electrical Generator	Amundsen High School	14
639E	Andrea Marquez	12 th	ShatterZone	Carver Military Academy	17

Essay Contest

IJAS Essay Contest

Also evaluated by volunteer readers during January/February Symposium & Essay virtual reading sessions are the essays. As an ancillary activity of the State Science Fair, the IJAS sponsors an essay contest for students, in Grades 7-12, who conduct library research and prepare a 1500-word essay. The 2024-2025 prompt is: “**Impossible to I’m Possible: Progress Bit by Bit**”. Four top student essays will be forwarded to the IJAS for evaluation at the state level. These finalists are listed below.

2023 Essay Contest Semi-Finalists

Student Name	GRD	Essay Title	School	Network
Khloe Zavala	8th	Flooding Challenges	Douglas Taylor Elementary	13
Mauricio Jaimes	12th	AI's Inception & Impact on Employment	Gurdon Hubbard High School	16
Michael Ascencio	11th	AI & Future jobs: Benefits and Challenges	Gurdon Hubbard High School	16
Ingrid Aviles	11th	Electric Vehicle Batteries	Gurdon Hubbard High School	16

Brief Symposium Schedule

Thursday, March 13, 2025 High School Symposium Presentation Day 8:30 a.m.-3:30p.m.

ALL PARTICIPANTS must dress professionally. This does not include jeans, sweatshirts, t-shirts, shorts, or mini-skirts and/or halter-tops. This is a professional occasion. Professional attire is expected.

Morning session presenters arrive at the West Pavilion of the Griffin Museum of Science & Industry by 8:30 a.m. and Go To Station #1. Sign in and obtain your ID Badge and Badge Holder. Then go to the Auditorium.

Symposium Luncheon with Guest Speaker TBA

Afternoon session presenters will arrive at the West Pavilion of the Griffin Museum of Science & Industry by 11:00 p.m. and Go To Station #1. Sign in and obtain your ID Badge and Badge Holder. Then go to the Auditorium



Exhibit Categories

Ex #	Exhibitors	Grade	Title	School	NW
AEROSPACE					
1E	Taylor, Artika	7th	Zooooom!How does wing ratio affect flight?	Parkside STEAM	12
2E	Ma, Leo	7th	How a Plane's Flaps Impacts the Stall Speed	Skinner North	4
3E	Hardy, Brennon	7th	Effects of Paper Weight on Flight Distance	Waters	2
4E	Ouali, Racym	8th	Effect of structure shape on aerodynamics	Ebinger School	1
5E	Abhijeet, Aditya	8th	The Fin Formula	Hawthorne	4
6E	Lara, Sye	8th	Fighting Gravity	OA Thorp	ISP
6E	Sygaco, Sye	8th	Fighting Gravity	OA Thorp	ISP
8D	Aguirre, Daniel	11th	What is the Cheapest Way to Launch Payloads?	Carver Military Academy	17
9E	Cross, Kendall	11th	HOW FAR WILL IT FLY?	Johnson College Prep	Ch
AGRICULTURE SCIENCES					
10E	Feulner, Dylan	8th	Herb Colab	Byrne	10
11E	Koentopp, Maizie	8th	Endophytic Impact on Plant Root Hairs & Brix	Decatur Classical	2
12E	Ajca-Chan, Darli	8th	Can Hydrogels Help Conserve Water in Farming?	West Park STEAM	5
12E	Hernandez-Abarca, Lucero	8th	Can Hydrogels Help Conserve Water in Farming?	West Park STEAM	5
13E	Diaz, Elena	10th	Microgravity's Effect on Mung Bean Growth	Amundsen HS	14
14E	Perez, Destiny	11th	The Effect of MFF on Pork Loin	Chicago Ag	ISP
15E	McCarthy, Fiona	11th	Effects of NR Injection on Broilers	Chicago Ag	ISP
ASTRONOMY					
16E	Rodriguez, Savannah	8th	When & Where is Skyglow Particularly High	John C. Haines	6
17E	Harold, Ramona	10th	CMEs & Solar Flares on SEP	Amundsen HS	14

			Events		
18E	Long, Bu	11th	Chemical Abundances in High Redshift Galaxies	Payton College Prep	15
19D	Weber, Eva	12th	Exoplanet Detection via Radial Velocity	Northside Prep	14
BEHAVIORAL SCIENCE					
20E	Wall, Calliope	7th	Keys to Relaxation	Burley School	4
21E	Stephens, Emily	7th	Will Consuming Peppermint Increase Test Score	Burley School	4
22E	Dorsett, Jernee'	7th	I Generated Image or Real Images	Dixon	12
23E	Cinquengrani, Allegra	7th	Are Childproof Bottles Really Childproof?	Franklin Fine Arts	4
23E	Lowder, Vivienne	7th	Are Childproof Bottles Really Childproof?	Franklin Fine Arts	4
24E	Tarrance, Faith	7th	What Hertz Level Is Most Pleasant to Humans?	Haugan	ISP
25E	Lui, Paris	7th	How Does Stroop Effect Impact the Brain?	Keller Regional Gifted Center	10
26E	Westbrook, Anton	7th	Reading Environments	Newberry Math & Science	4
27E	Schuch, Marianna	8th	Does Word Order Affect Memory?	Byrne	10
28E	Molden, Evie	8th	Effect of Conformity Bias on Survey Response	Decatur Classical	2
28E	Mote, Maya	8th	Effect of Conformity Bias on Survey Response	Decatur Classical	2
29E	Casey, Colleen	8th	Sugar or Seeds-What do Birds Prefer?	Ebinger School	1
29E	Cozzone, Victoria	8th	Sugar Or Seeds-What do Birds Prefer?	Ebinger School	1
30E	Aranda, Rame	8th	How Does Caffeine Affect Growth of Mealworms?	Hannah G. Solomon	1
30E	Qadri, Mustafa	8th	How Does Caffeine Affect Growth of Mealworms?	Hannah G. Solomon	1
31E	Gutillo, Saige	8th	Yarniverse Wonderz!	Mark Sheridan	6

				Math & Science	
32E	Futuyma, Alexandra	8th	Peppermint and Reaction Time	Newberry Math & Science	4
33E	Korda, Julia	8th	Seeing Yourself in STEM	Peterson	1
34E	Zhang, Zhihan	8th	AI Hyperrealism	Skinner North	4
37E	Pugh, Sasha	8th	Writing or Typing, Which is More Effective?	Waters	2
38E	Delaplane, Cayenne	9th	The Effect Of Breathing in Volleyball	Amundsen HS	14
39E	Queiroz, Isadora	9th	The Power of Suggestion	Amundsen HS	14
40E	Suckow, Daphne	10th	The Effect of Aphantasia on Visual Memory	Lane Tech College Prep	14
41E	Stewart, Genesis	11th	Music vs Mood	Johnson College Prep	14
42E	Kwiek, Julia	11th	Pronoun Relations in Social Media (PRISM)	Northside Prep	14
43E	Ramasamy, Nithin	11th	Impact of Chess: Neurodegenerative Diagnosis	Whitney Young Magnet HS	15
BIOCHEMISTRY					
44E	Jayawardena, Mesadu	8th	The Effect of Sweeteners on Glucose Levels	Budlong	ISP
44E	Patev, Maks	8th	The Effect of Sweeteners on Glucose Levels	Budlong	ISP
45E	Ficco, Violet	8th	How Does Temp Affect How Dough Rises?	Ebinger School	1
45E	Myers, Grace	8th	How Does Temp Affect How Dough Rises?	Ebinger School	1
46E	Schwartz, Ava	8th	Caffeine & Heart Rate	Franklin Fine Arts	4
46E	Ward, Damaria	8th	Caffeine & Heart Rate	Franklin Fine Arts	4
47E	Wang, Andrew	8th	Sour, Sourer, Sourest	Ted Lenart Regional Gifted	11
48D	Landeros, Diego	11th	Nitroisoxazole GPX4 Inhibitor Conjugate	Lane Tech College Prep	14

BOTANY					
49E	Goodman, Dahlia	7th	Vitamin C- Under the Lens, Vitality of Oranges	Coonley	2
49E	Villalluna-Liao, Calla	7th	Vitamin C- Under the Lens, Vitality of Oranges	Coonley	2
50E	Anderson, Amelia	7th	Does Different Water Affect Plant Growth?	Keller Regional Gifted Center	10
51E	Jackson, Christian	7th	Can Plant Soil Stop Erosion?	Vanderpoel	10
52E	Weber, Keira	7th	Does Music Help Plants Grow?	Waters	2
53E	Cortez, Ernesto	8th	Carbon Dioxide Conversion Through Plants	Chicago World Language	6
54E	Viola, Ellie	8th	The Effect of Fungi Mycelium on Plant Growth	Decatur Classical	2
55E	Blake, Lillian	8th	How & Why Does pH Affect the Growth of Grass?	Franklin Fine Arts Center	4
55E	Lewis, Molly	8th	How & Why Does pH Affect the Growth of Grass?	Franklin Fine Arts Center	4
56E	Valadez, Christopher	8th	Does Music Affect Plant Growth?	Palmer Elementary	ISP
57E	Coleman, Jillian	8th	Can Plants Grow Towards Light?	Palmer Elementary	ISP
58E	Herman, Nikko	8th	Will Plants Grow Faster in Soil or Water?	Palmer Elementary	ISP
59E	Wilson, McKenzi	8th	Plant Power	Robert A. Black	12
60E	Tam, Samuel	8th	How Does Temperature Affect Fruit Ripening?	Ted Lenart Regional Gifted	11
61E	Lorenzo, Abishua	9th	Do Words Have an Affect on Plant Growth?	Carver Military Academy	17
62E	Jaramillo, Annabelle	9th	The Germination of Seeds	Von Steuben MSC	14
63E	Harris, Chris	9th	How Light Affects Oyster Mushrooms	Von Steuben MSC	14
64E	Galindo, Jazmin-Violet	10th	Color Changing Flower Experiment	Amundsen HS	14
CELLULAR & MOLECULAR BIOLOGY					

65E	Banks, Romoan	7th	The Great Extraction DNA	Chalmers STEAM	5
65E	Gould, Andrew	7th	The Great Extraction DNA	Chalmers STEAM	5
66E	Goodwin, Alana	8th	Are Fingerprints Inherited?	Dixon	12
67E	Diefenbach, Madelynn	8th	DNA Extraction in Strawberry DNA	Ginsburg Elementary	ISP
67E	Sanner, Lei'Yah	8th	DNA Extraction in Strawberry DNA	Ginsburg Elementary	ISP
68E	Viniak, Saatvik	9th	Drugging the "Undruggable" Ca, HCC	Payton College Prep	15
69E	McDowell, Da'Kayla	11th	Are Fingerprints Inherited?	Johnson College Prep	Ch
70E	Kim, Eric	11th	The Potential of PACAP to Treat TB	Payton College Prep	15
CHEMISTRY					
71D	Dorsey, Kellece	7th	DESIGNING A HOMEMADE FIRE EX	Mount Vernon School	13
71D	Riley, Kaitlyn	7th	DESIGNING A HOMEMADE FIRE EX	Mount Vernon School	13
72E	Carlos, Emily	7th	Which Purification Purifies Water the Best?	Burroughs	8
72E	Prado, Zaria	7th	Which Purification Purifies Water the Best?	Burroughs	8
73E	Hardy, Cameron	7th	Soaking It All In: An Absorbency Study	Chalmer STEAM	5
73E	Miller, Janille	7th	Soaking It All In: An Absorbency Study	Chalmer STEAM	5
74E	Meza, Edward	7th	Bath Bomb Science	Chase Elementary	4
74E	Shaik, Afsheen	7th	Bath Bomb Science	Chase Elementary	4
75E	Manno, Lorenzo	7th	Fluorescence of Tonic Water?	Chicago World Language	6
76E	Volpe, Gianna	7th	Which Moisturizer Works Best?	Coonley	2
77E	Mei, Katies	7th	Green Iodine Clock Rxn	John C. Haines	6

78E	Zadlo, Kaya	7th	Which Cookie Spreads the Most?	Hannah S. Solomon	1
79E	Long, Dumariah	7th	Explore the Mixing Behavior Of Liquids	Harold Washington	12
80E	Fields, Kaniyah	7th	Magic Milk Experiment	Harold Washington	12
81E	Coronel, Evan	7th	Metal Screw Rxn to Different Substance	Keller Regional Gifted Center	10
82E	Rice, Raquel	7th	Which Product Removes Black Ink	Keller Regional Gifted Center	10
83E	Flore, Leo	7th	Sweet, Bitter or Frizzy?	Taft Freshman Acad & ACenter	14
84D	Jordan, Anila	8th	The Erasable Highlighter	John D Shoop	13
85E	Guerrero, Virginia	8th	A Rose By Any Other Color	Audubon	4
86E	Esmane, Charm	8th	Stain, Stain, Go Away	Beaubien	1
87E	Austin, Lucas	8th	How To Make Elephant Toothpaste	Chase Elementary	4
87E	Perez, Ronaldo	8th	How To Make Elephant Toothpaste	Chase Elementary	4
88E	Allen, Reshell	8th	CPC Copper Plated Coins	Courtenay L.A	2
89E	Richard, Jonah	8th	Effect of Cooking Vegetables Sugar Content	Decatur Classical	2
90E	Hassan, Leen	8th	Magnetic Attraction	Dirksen	1
90E	Pilch, Gabriela	8th	Magnetic Attraction	Dirksen	1
91E	Baran, Natalie	8th	Forensics Files	Dirksen	1
91E	Rahmani, Melissa	8th	Forensic Files	Dirksen	1
92E	Munoz, Eleazar	8th	How Do Different Types of Light Affect?	Douglas Taylor	13
92E	Zavala, Khloe	8th	How Do Different Types of Light Affect?	Douglas Taylor	13
93E	Kennedy, Emily	8th	How Does Baking Soda Affect a Cookie?	Ebinger School	1
94E	Bockenfeld, Daniela	8th	Electrolytes in Drinks	Franklin Fine Arts	4

94E	Zoldan, Nolabelle	8th	Electrolytes in Drinks	Franklin Fine Arts	4
95E	Powell, Cole	8th	An Egg-hibition of Teeth Revengeance	Franklin Fine Arts	4
95E	Sparks, Henry	8th	An Egg-hibition of Teeth Revengeance	Franklin Fine Arts	4
96E	Abay, Helina	8th	Which Liquids Contain More Carbohydrates?	Hannah G. Solomon	1
96E	Villegas, Mia	8th	Which Liquids Contain More Carbohydrates?	Hannah G. Solomon	1
97E	Oyeleye, Taiwo Martha	8th	How Much Sugar is Really In Soda?	Harold Washington	12
98E	Habanero Rivero, Valerith Sofia	8th	Experiments de caries dental con huevos	Harold Washington	12
99E	Holcomb, Treajure	8th	Electrolyte Challenge	Langston Hughes	13
99E	Thompson, Cinderella	8th	Electrolyte Challenge	Langston Hughes	13
100E	Edmond, Jakira	8th	How Does Baking Powder Affect Bread Dough?	Langston Hughes	13
100E	Moore, Tharin	8th	How Does Baking Powder Affect Bread Dough?	Langston Hughes	13
101E	Ronan, Adrienne	8th	Saturation Point of Water & Conductivity	LaSalle	4
102E	Harvey, Darien	8th	Awesome Absorbers	LaSalle	4
103E	Cobb, Zafira	8th	Apple Verse	McDade Classical	12
104E	Clinton, Ariyanna	8th	Tooth Tints	Wadsworth STEM	9
105E	Rau, Sadie	9th	What Surface Makes Ice the Fastest?	Amundsen HS	14
106E	Mendall, Lane	9th	How Salt Affects the Freezing Point of Water	Amundsen HS	14
107E	Wilson, Noah	10th	Which Gluten-Free Flour Works Best For Bread	Amundsen HS	14
108E	Zahid, Sehrish	10th	The FAT Truth: Extraction Method Reliability	Von Steuben MSC	14

109E	Mooney, Ryan	11th	Comparing Electrolytes	Chicago Ag	ISP
110E	Hoover, Jeremy	11th	Tarnish Tamer	Johnson College Prep	Ch
COMPUTER SCIENCE					
111D	Spatz, Maya	10th	Colored Light On Blood Glucose Control	Lane Tech College Prep	14
112D	Falciglia, John	10th	DRM for Materials Research	Payton College Prep	15
113D	Wolifou, Enoch	7th	cnvrs Browser	Courtenay L.A.	2
115E	Gonzalez, Adrian	8th	Target Archet Total Revenue	Decatur	2
EARTH SCIENCE					
7E	Ekemode, Oluwanifemi	9th	Ozone Guards	Air Force Acad	16
116E	Bhushan, Adya	10th	Effect of Lunar Regolith on Plant Biomass	Lane Tech College Prep	14
ELECTRONICS					
117D	Harris, Adam	7th	Hey Reminder!	Earhart STEAM	12
118D	Johnson, Taylor	8th	Doggie Alarm	Earhart STEAM	12
119D	Dixon, Cyanne	8th	Endless Car Power	Gillespie Tech	12
120E	Campbell, Eric	8th	What Power Bank Is the Best?	Wadsworth STEM	9
ENGINEERING SCIENCE					
121D	De SilvaBolanos, Lucas	7th	Down the Hole	Audubon	4
121D	Lerner, Paxton	7th	Down the Hole	Audubon	4
122D	Kleiman, Phoebe	7th	The Sockinator	Audubon	4
122D	Solovy, Olivia	7th	The Sockinator	Audubon	4
123D	Dortch, Kaylyn	7th	A Fast & Furious Study for Speed	Chalmers STEAM	5
123D	Millsap, Samiyah	7th	A Fast & Furious Study for Speed	Chalmers STEAM	5
124D	Alanis, Giovanni	7th	Comfy Anxiety Sweater	Columbia Expl	ISP
124D	Ramos, Reynaldo	7th	Comfy Anxiety Sweater	Columbia Expl	ISP
125D	Miranda, Gisselle	7th	Comfortable Backpack Straps	Columbia Expl	ISP

125D	Rodriguez, Jazmine	7th	Comfortable Backpack Straps	Columbia Expl	ISP
126D	Westbrook, Jayden	7th	Does Size Matter?	Gillespie Tech	12
127D	Abdou, Tonton	7th	Harnessing Wind Energy to Power Villages	John D Shoop	13
128D	Fulton, Cora	7th	Compatible Corner	Peterson	1
128D	Trinter, Helen	7th	Compatible Corner	Peterson	1
129E	Santos, Jaylahniz	7th	The Multi-Purpose Mirror	Plamondon STEM	ISP
130E	Miller, Emily	7th	The Metal Bridge Cold Snap	Cuffee STEM	11
131E	Kanabar, Om	7th	Shoot Your Shot	Taft AC	14
132D	Johnson, Ronald	8th	The Opener 2.0	Earhart STEAM	12
133D	Garcia, Karen	8th	Green Energy House	Columbia Expl	ISP
133D	Lopez, Kimberly	8th	Green Energy House	Columbia Expl	ISP
134D	Picasso, Stephanie	8th	No Fire at Barbie's House	Columbia Expl	ISP
134D	Ruano, Yaneli	8th	No Fire at Barbie's House	Columbia Expl	ISP
135E	Swaminathan, Sarvatita	8th	Electrostatic Precipitator	Dirksen	1
136D	Word, Destiny	8th	Marine Life	Gillespie Tech	12
137D	Collett, Maya	8th	Salt Robot	Peterson	1
137D	Valencia, Jeannie	8th	Salt Robot	Peterson	1
138D	Hafezy, Aamina	8th	Fountain Freshener	Peterson	1
138D	Jamoumi, Yassmine	8th	Fountain Freshener	Peterson	1
139D	De La Rosa, Elizabeth	8th	The Bookie Bagger	Plamondon STEM	ISP
139D	Hernandez, Alanie	8th	The Bookie Bagger	Plamondon STEM	ISP
140D	Santos, Miannie	8th	The Poop Stand	Plamondon STEM	ISP
140D	Wimberly, Mariy'e	8th	The Poop Stand	Plamondon STEM	ISP
141E	Valadez, Alendro	8th	Runaway Ramps: Slowing Down with Science	Ebinger School	1
142E	Bonson, Austin	8th	Running 4 U	Haugan	ISP

143E	Cohen, Gabriel	8th	Are You A Fan of This?	OA Thorp	ISP
143E	Weisenberger, Austin	8th	Are You A Fan of This?	OA Thorp	ISP
144D	Ayala, Sofia	9th	Hot Air Balloon Development	Carver Military Academy	17
145E	Cerrito, Patrick	10th	Radio Wave Strength by Acoustic Levitation	Chicago Ag	ISP
146D	Osuji, Divinefavour	12th	Sensor Fusion & Materials in Health Monitor	Lane Tech College Prep	14
147D	Lee, Adrian	12th	Automating Denitrification by Electrolysis	Lane Tech College Prep	14
ENVIRONMENTAL SCIENCES					
148E	Delapena, Olivia	7th	What's in my Water?	Chicago World Language	6
149E	Overton, Kendall	7th	Are Biodeg Materials Better?	Keller Regional	10
150E	Escobar, Alex	7th	Solar Powered Water Desalination	Newberry Math & Science	4
151E	Gamble, Maverick	7th	Powdered vs Granular Carbon	Robert A. Black	12
152E	Giwa, Zoheerah	7th	How Does Temp Affect Water	Robert A. Black	12
153E	Johns, Katherine	7th	Silhouettes in the Waves	Taft AC	14
154E	Harder, Owens	8th	Chgo River:Clean or Dirty?	Beaubien	1
155E	Dhungana, Keya	8th	Chgo Swimming in Poop	Budlong	ISP
155E	Patel, Afiyah	8th	Chgo Swimming in Poop	Budlong	ISP
156E	Katrotzanakis, Panayiotis	8th	The Effect of Carbon Dioxide	Budlong	ISP
157E	Basikik, Emmy	8th	Harmful or Helpful? Eco-friendly Fertilizer	Decatur Classical	2
157E	Pouw, Liv	8th	Harmful or Helpful?Eco-friendly Fertilizer	Decatur Classical	2
158E	Forst, Eliana	8th	Solar Water Disinfection on Water Quality	Decatur Classical	2
159 E	Hamoud, Hanzah	8th	Colors Light & Energy Output	Dirksen	1
160E	Coleman, Evan	8th	Red Light Green Light	Mark Sheridan Math & Science	6
161E	Fitzgerald, Emmett	8th	Growing Native Plants in	Robert A. Black	12

			Industrial Soil.		
162E	Gill, Jayden	8th	4K Water Quality	Robert A. Black	12
163E	Whitford-Rodriguez, Beatriz	8th	Green Privilege:Analyzing Urban Tree Canopy	Skinner North	4
164E	Fowles-Thompson, McKenzie	8th	Can Plant Soil Stop Erosion?	Vanderpoel	10
166E	Cage, Elliana	10th	A Water Filter From Nature	Amundsen HS	14
167E	Harden, Symone	10th	Tropical Materials' Effect on Water Filtering	Whitney Young Magnet HS	15
168D	Wu, Leah	11th	Factors Influencing Hydrogen Production	Payton College Prep	15
169E	King, Colin	11th	Can Grass Stop Soil Runoff?	Chicago Ag	ISP
170E	Lukina, Jason	11th	Effect of Coral Reef Species Against Flooding	Lane Tech College Prep	14
171E	Rajaie, Payman	11th	The Effect of Road Salt on Plant Diversity	Lane Tech College Prep	14
172E	Coomer, Riley	11th	Effect of Seasons On Urban Algae Biodiversity	Lane Tech College Prep	14
173E	Marchan, Yairely	11th	Effect of Remediation on Allelopathy	Lane Tech College Prep	14
174E	Bansal, Inika	11th	UAVs in Environmental Refuse Monitoring	Payton College Prep	15
175E	Czempinski, Alexander	12th	Effect Springtails on Invertebrate Diversity	Lane Tech College Prep	14
HEALTH SCIENCES					
176D	Medina-Galvez, Elideth	7th	Stylish Generator	Armour School	ISP
176D	Ruiz, Hannah	7th	Stylish Generator	Armour School	ISP
177E	Duhe, Nicholas	7th	Soda vs Fruit juice	Budlong	ISP
177E	LaMotte, Ravenna	7th	Soda vs Fruit Juice	Budlong	ISP
178E	Estrada, Jose	7th	Which Filter Works Best?	Burroughs	8
179E	PindoZZo, Leonidas	7th	How Does a Jump Scare Affect Blood Pressure?	Byrne	10
180E	Estrada, Lily	7th	Ready, Set, Inject!	Taft AC	14

181E	Goritsan, Demetrios	8th	Fats In Your Snacks	Beaubien	1
182E	Salim, Ramsha	8th	Cognitive Chords & Hemispheric Specialization	Budlong	ISP
183E	Sahai, Kush	8th	Unmasking Microplastics	Skinner North	4
184E	Clark, Lauren	8th	What Method of Handwashing is Most effective?	William Brown STEM Magnet	6
184E	Polen, Jermaria	8th	What Method of Handwashing is Most effective?	William Brown STEM Magnet	6
185E	Shi, Yuxin	10th	HT1 and AKU Biological Meta-Analysis	Payton College Prep	15
186D	Noland, Antonia	11th	Road to Clean Eating	Johnson College Prep	Ch
187E	Miller, Kenitra	11th	Heart & Breathing	Johnson College Prep	Ch
188E	Wu, Marlina	11th	Cardiovascular Disease on Brain Vulnerability	Payton College Prep	15
189E	Joshi, Anaya	11th	Retinal Ganglion Cell Degeneration in Glaucoma	Payton College Prep	15
190D	Makkuni, Rhea	12th	Advancing Equity through RUSH Health Fair	Payton College Prep	15
191E	Ream, Landra	12th	Optimizing Cisplatin Outcomes via Expression	Lane Tech College Prep	14
MATERIAL SCIENCE					
192E	Moore, Seanisha	7th	Reinventing the Chux Pad	Chalmers STEAM	5
192E	Taylor, Lyric	7th	Reinventing the Chux Pad	Chalmers STEAM	5
193E	Haynes, Michael	7th	Slime Viscosity	Robert A. Black	12
194D	Dabner, Desiree	8th	The Button Upper	Earhart STEAM	12
195E	Ruger, Benjamin	8th	Colorful Reactions	Audubon	4
196E	Qadri, Yusayrah	8th	Which Insulation Quiets Noise the Best?	Hannah G. Solomon	1
196E	Stirling, Elsie	8th	Which Insulation Quiets Noise the Best?	Hannah G. Solomon	1
197E	Argence, Alice	8th	Rusting of Nails	LaSalle	4
198E	Mellett, Maxwell	8th	Shining a Light on Savings	OA Thorp	ISP

198E	O'Donnell, Clark	8th	Shining a Light on Savings	OA Thorp	ISP
199E	Kourin, Leo	8th	The Sights of Sound	OA Thorp	ISP
200E	Frieson, Bruce	8th	Impossible Insulation	Wadsworth STEM	9
201E	Schieleit, Ella	12th	MOF CO2 Adsorpt & Regeneration Potent	Northside Prep	14
MATHEMATICS					
114M	Shariff, Jasmin	7th	Neural Networks	Whitney Young Magnet	15
202M	Qiu, Edison	7th	Triangles From Points	Whitney Young Magnet	15
202M	Zhu, Silan	7th	Triangles From Points	Whitney Young Magnet	15
203M	Guo, Michelle	8th	The Magic Nine (or more)	Whitney Young Magnet	15
203M	Tu, Arissa	8th	The Magic Nine (or more)	Whitney Young Magnet	15
204M	Chung, Maggie	8th	Markovian's Coin Dilemma	Whitney Young Magnet	15
204M	Xin, Emma	8th	Markovian's Coin Dilemma	Whitney Young Magnet	15
205M	Huang, Alex	8th	Tackling Turnablock	Whitney Young Magnet	15
205M	Zhang, Jerry	8th	Tackling Turnablock	Whitney Young Magnet	15
206M	Sopavanich, Gina	8th	Checkers for Records	Whitney Young Magnet	15
206M	Tang, Linda	8th	Checkers for Records	Whitney Young Magnet	15
207M	Chen, Patrick	8th	Spiraling Away	Whitney Young Magnet	15
207M	Mohan, Raahil	8th	Spiraling Away	Whitney Young Magnet	15
208M	Hao, Timothy	8th	Dot Demolition	Whitney Young Magnet	15
208M	Churyla, Jacob	8th	Dot Demolition	Whitney Young Magnet	15

209E	Jones, Darius	9th	Gaps Between Primes	Whitney Young Magnet	15
210M	Yu, Sophie	9th	Catalan Sequences and Transformations	Payton College Prep	15
211M	Chen, Cynthia	10th	Inversion to Gaskets	Payton College Prep	15
212M	Jones, Bogdan	10th	Twisted Prime Pairs	Payton College Prep	15
213E	Robinson, Yahri	11th	Heisman	Johnson College Prep	Ch
214M	Wei, Linnrue	11th	Graphing Lonely Runners	Payton College Prep	15
216M	Pusnur, Khushi	11th	Killing Killer Sudoku	Payton College Prep	15
218M	Zhang, Jasmine	12th	Pistol Shooting	Payton College Prep	15
MICROBIOLOGY					
219E	Calabrese, Bianca	7th	Microplastics & Eff on Aquatic	Burley School	4
220E	Greene, Daniel	8th	Eff of pH Levels on Bacteria	Taft AC	14
220E	Reeser, Shale	8th	Eff of pH Levels on Bacteria	Taft AC	14
221E	Epure, Christopher	8th	Eff of Phosphorus on Algae	Taft AC	14
222E	Ijimakin, Julia	8th	Climate Change & Nematodes	Taft AC	14
223E	Lavin, Sloan	8th	Which Anit-Bact Product Works	Waters	2
224E	Solis, Karla	9th	5=Second Rule: A Race w/Time	Carver Military	17
225E	Galindo, Yasleen-Alvarita	10th	5 Second Rule	Amundsen HS	14
226E	Kim, Daniella	10th	Eff of SLS & CaCO ₃ on Oral Bacteria	Lane Tech College Prep	14
227E	Rimando, Gianne	10th	Eff of Ultrasound on Algae Photosynthesis	Lane Tech College Prep	14
228E	Surgit, Lana	11th	Effect of Supplements on CVD	Lane Tech College Prep	14
229E	Burgess, Matilda	12th	Juice & Sugar Concentration in Respiration	Amundsen HS	14

PHYSICS					
230E	Pappagiannis, George	7th	The Physics of Football	Burley Elementary	4
231E	Hebda, Penelope	7th	Which Size Solar Oven Get Hot	Byrne	10
232E	Lorenzo, Diego	7th	How Does Distance Affect Light Intensity?	Chase Elementary	4
232E	Pinto, Juan	7th	How Does Distance Affect Light Intensity?	Chase Elementary	4
233E	Hossain, Annisa	7th	Cup and String	Coonley	2
233E	Stanley, Lucille	7th	Cup and String	Coonley	2
234E	McCarthy, Jack	7th	Wood vs Metal: BB Bat Debate	Coonley	2
234E	Murray, Nathan	7th	Wood vs Metal: BB Bat Debate	Coonley	2
235E	Claus, Cameron	7th	Launch Angle V. Distance	Coonley	2
236E	Hamidi, Salma	7th	What Gets Warmer Sand, Sol or Flour?	Dirksen	1
236E	Shoman, Fatima	7th	What Gets Warmer Sand, Soil, Flour?	Dirksen	1
237E	Rice, Brookelynn	7th	Airless Basketball vs Normal Basketball	Parkside STEAM	12
238E	Primer, Destiny	7th	Illuminating Light Play	Parkside STEAM	12
239E	Prince, Zion	7th	Surface Wars	Parkside STEAM	12
240E	Hardy, Adalee	7th	Which Water Type Can Melt Ice	Waters	2
242E	Rivera, Maximilliano	8th	How Does Mass Affect the Flight of a Drome?	Byrne	10
243E	Lum, Anderson	8th	Which Paper Airplane Design Will Prevail?	Chicago World Language	6
244E	Borges, Justin	8th	Heat Shield	Chicago World Language	6
245E	Matskevych, Victorie	8th	The Power of Temperature: Testing Magnet	Dirksen	1
245E	Sultanova, Malika	8th	The Power of Temperature Testing Magnets	Dirksen	1

246E	Buehler, Ada	8th	The Effect Temperature Has on Magnets	Franklin Fine Arts	4
247E	Lee, Minjun	8th	Wired VS. Wireless	Franklin Fine Arts	4
248E	Parker, Amaru	8th	Growing Energy Sources	Gillespie	12
249E	Lin, Reagan	8th	The Liquid Jenga	Mark Sheridan Math & Science	6
250E	Li, Daniel	8th	Sine Wavs	Skinner North	4
250E	Lui, Chelsea	8th	Sine Wavs	Skinner North	4
251E	Delfin, Ryan	8th	Bird Wings	Ted Lenart Regional Gifted	11
253E	Sellis, Evan	9th	Electromagnetic Acceleration Tests	Amundsen HS	14
254E	Curry, Sophia	10th	Hand-Powered Electrical Generator	Amundsen HS	14
255E	Rogozinski, Benjamin	11th	Wi-Not: Does Frequency Really Matter?	Chicago Ag	ISP
256E	Garcia, Carlos	11th	Does the Ball Rebound Depend on Sport Ball?	Chicago Ag	ISP
257E	Burnett, Grenier	11th	Speed vs.. Friction	Chicago Ag	ISP
258E	Dekoker, William	11th	How Does Temperature Affect Guitar Pitch?	Chicago Ag	ISP
260E	Marquez, Andrea	11th	ShatterZone	Carver Military Academy	17
PRODUCT/CONSUMER SCIENCE					
261E	Naik, Sahana	7th	The Secret Behind The Best Tasting Cookie	Burley Elementary	4
262E	Green, Katherin	7th	What Material Should I Use?	Gillespie	12
263E	Wheat, Katherine	7th	Different Egg Substitutes	Newberry	4
264E	Williams-Wise, Mikayla	7th	Best Environmentally Friendly Gum	Newberry	4
265E	Rivera, Mia	7th	Which Ice Pack Brand lasts the Longest?	West Park STEAM	5
265E	Simmons, Miracle	7th	Which Ice Pack Brand lasts the Longest?	West Park STEAM	5

266D	Artega, Janiya	8th	Robot Itoby	Armour School	ISP
266D	Hernandez, Emily	8th	Robot Itoby	Armour School	ISP
267D	Garcia, Lupita	8th	Telerobot	Armour School	ISP
267D	Luna, Paloma	8th	Telerobot	Armour School	ISP
268D	Moton, Anthony	8th	Affects of Baking Sheet Material	Douglas Taylor	13
268D	Ovilla, Stephanie	8th	Affects of Baking Sheet Material	Douglas Taylor	13
269D	Willis, Kendall	8th	The Deceptive Diner	Hawthorne	4
269D	Wojcik, Paige	8th	The Deceptive Diner	Hawthorne	4
270E	Wu, Madelein	8th	Sweet Magic	Mark Sheridan Math & Science	6
271E	Ortiz, Gesiebella	8th	Dissolving Colors	O A Thorp	ISP
271E	Ortiz, Isabella	8th	Dissolving Colors	O A Thorp	ISP
272E	Herranz, Olivia	8th	Do Different Flours Affect Muffin Weight?	Palmer School	ISP
273E	Barera, Aracely	8th	Which Sanitary Pad Absorbs The Most Liquid?	West Park STEAM	5
273E	Moreno, Maria	8th	Which Sanitary Pad Absorbs The Most Liquid?	West Park STEAM	5
274E	Duffy, Eden	10th	Durability of Nail Polish	Amundsen HS	14
ZOOLOGY					
275E	Noushad, Amelia	7th	The Bioluminescence of Dinoflagellates	Skinner	4
276E	Anderson, Nilo	8th	Rolling In The Right Environment	Audubon	4
277E	Makkuni, Sanjana	8th	Paws & Roots: The Lawn Survival Challenge	Kenwood Academy	17
278E	Lenihan, Alexis	11th	Chick Feed Showdown	Chicago Ag	ISP

Sixth-Grade Regional Winner Recognition Luncheon & Ice Cream Social

Saturday, March 15, 2025

11:00 A.M. West Pavilion Balcony

11:00 A.M.	Seating
11:10 A.M.	Welcome
11:20 A.M- Noon	Lunch
12:00 P.M	Program & Awards

Sixth-Grade Regional Winners

Name	Title	School	Ntwk
Averie Robinson	SAFE CASE	Amelia Earhart STEAM	12
Royce Townsend	All in 1 Hairbrush	Amelia Earhart STEAM	12
Kyren Dailey	Voice Light Robot	Amelia Earhart STEAM	12
Kaelyn Ortega	Double Decker Microwave	Armour-D	ISP
Jennifer Montes de oca	Double Decker Microwave	Armour-D	ISP
Josephine Castillo	Cyber Tide & Aqua Light	Armour-D	ISP
Maira Tahir	Cyber Tide & Aqua Light	Armour-D	ISP
Miles Miller	Oh My Gourd!!	Beaubien	1
Frank Breit	Oh My Gourd!!	Beaubien	1
Leo Meredith	Testing Dart Launching	Beaubien	1
Iyuben Kyutukchiev	Which Orange Juice Has Most Vitamin C	Beaubien	1

Dianna Michaluk	Which Orange Juice Has the Most Vit C	Beaubien	1
Adrija Krishna	Blueberry Explosion	Beaubien	1
Tejas Pani	Flying Further	Beaubien	1
Michael Vergra-Wenzel	Which Wavelength Retains Most Heat?	Byrne	10
Carson Hughes	Obstacle Detecting Glasses	Byrne	10
Oriana Augustyn	Does Age Affect Memory Retention?	Byrne	10
Noah Luis	How Does Area Affect Terminal Velocity?	Byrne	10
Josephine Heidel	Mixing Marshmallows w/Math Magic	Chase	4
Lucy Cerritos	Mixing Marshmallows w/Math Magic	Chase	4
Ulises Romano	Relationship of Temp & Frequency	Chase	4
Esteban Rionaula	Relationship of Temp & Frequency	Chase	4
Evelyn Jimenez Bello	What Liquid Helps A Plant Grow Faster?	Chase	4
Alan Ruano	Health Bar	Columbia Explorers	ISP
ISPSantos Garcia	Health Bar	Columbia Explorers	ISP
Carleth Cardenas	Food Bar	Columbia Explorers	ISP
Betzy Galindo	Food Bar	Columbia Explorers	ISP
Yocelyn Castulo	Health Bar	Columbia Explorers	ISP
Anna Santin	Nutrition Bar	Columbia Explorers	ISP
Patricia Fabian	Nutrition Bar	Columbia Explorers	ISP
Zoe Forst	Chicken Poop Fertilizer	Decatur Classical	2
Wilson Herman	The Effect of Flow	Decatur Classical	2

	Resources Power Grid		
Leo Griffin	Effect of Dataset Size on AI Sorting Accuracy	Decatur Classical	2
Ryan Vargas	The Effect of Mass on Far an Object Flies	Decatur Classical	2
Jack Molnar	The effect of Mass on Far an Object Flies	Decatur Classical	2
Renee Song	Effect of a Solar Oven's Color Temp	Decatur Classical	2
Sylvan Palm Valentine	Eff of Wing Size on Flight Efficiency	Decatur Classical	2
Reyna Castanon	Harnessing Hydrogen Power	Douglas Taylor	13
Bryan Munoz	Harnessing Hydrogen Power	Douglas Taylor	13
Yaretzi Vladivia	Invisible Lemon Ink	Douglas Taylor	13
Lucas Bockenfeld	Color Temperature	Franklin Fine Arts	4
Elias Jensen	Color Temperature	Franklin Fine Arts	4
Kingston Gordon	Worms: Helpful or Harmful	Franklin Fine Arts	4
Ramon Riley	Touch Motion w/Cars	Gillespie Tech	12
Brian Broadway	Touch Motion w/Cars	Gillespie Tech	12
Shenee Orr	Savings Sharks	Gillespie Tech	12
Demarco Word	Saving Sharks	Gillespie Tech	12
MaKenzie Westbrook	What's In Your Water?	Gillespie Tech	12
Emily Lane	What's De Oil?	Ginsburg	ISP
Emily Mohylchak	What's De Oil?	Ginsburg	ISP
Brooks Lutkus	Tinkerbot	Ginsburg	ISP
Jackson Isaacson	Tinkerbot	Ginsburg	ISP
Neena Yap	Exercise? I Thought	Ginsburg	ISP

	You Said Extra Fries!		
Genesis Agyeman-Badu	How Sweet It Is?	McDade Classical	12
Aiden Caffey	Do You Really Want to Know	McDade Classical	12
Evan Thomas	Freezing Rates of Liquids	McDade Classical	12
Joshua Johnson	Rain On Me	McDade Classical	12
Allison Yopez	Slime Stretchiness	Maria Saucedo STEAM	7
Kylie Enriquez	Slime Stretchiness	Maria Saucedo STEAM	7
Carlos Martinez	Paper Airplanes	Maria Saucedo STEAM	7
Anthony Cruz	Paper Airplanes	Maria Saucedo STEAM	7
Danabella Claro	The Sound Test	Maria Saucedo STEAM	7
Erick Ramos-Hernandez	Soccer Position vs Rxt	Maria Saucedo STEAM	7
Sebastian Valencia	Soccer Position vs Rxt	Maria Saucedo STEAM	7
Ethan Acevedo	Does Mass Effect The Speed of a Drone	Newberry Math & Science	4
Jaiden Westbrook	Does Mass Effect The Speed of a Drone	Newberry Math & Science	4
Noah Bashiti	Which Shape Amplifies Sound Best?	Newberry Math & Science	4
Carrington Sherrod	The Tomato Plant	Owens Scholastic	10
Jaylin Lee	Push To Learning	Parkside STEAM	12
Mae Henry	Focus Headphones	Plamondon STEAM	ISP
Kaysia Johnson	Focus Headphones	Plamondon STEAM	ISP
Jazmine Gutierrez	Oddie the Robot	Plamondon STEM	ISP
Madelyne Navarro	Oddie the Robot	Plamondon STEM	ISP
Alexa Sahaydak	Effect of Fertilizer on Plants	Skinner North	4
Aanya Gokavarapu	Fruit Temp & Electricity Generation	Skinner North	4

Gabrielle McGee	Bioluminescence	Skinner North	4
Lakshmi Ayloo	Fruit Temp & Electricity Generation	Skinner North	4
Isabelle Jin	Population & Its Effect on Air Quality	Skinner North	4
Rex Mounglene	SES & Water Quality in Chicago	Skinner North	4
Oliver Leather	SES & Water Quality in Chicago	Skinner North	4
Diego Acevedo	What Grocery Bag Supports Most Weight	West Park STEAM	5
Mia Catalan	What Grocery Bag Supports Most Weight	West Park STEAM	5
Camelia Andia	Does Paper Plane Size Affect Flight	West Park STEAM Academy	5
Julia Chacon	Does Paper Plane Size Affect Flight	West Park STEAM Academy	5
Yismari Rodriguez	Does Paper Plane Size Affect Flight	West Park STEAM Academy	5
Eryeliz Collado	What Will Boil Faster, Hot or Cold Water?	West Park STEAM	5
Jana Davis	What Will Boil Faster, How or Cold Water?	West Park STEAM	5

Awards Convocation

Sunday, March 16, 2025- Griffin Museum of Science & Industry

1:00 P.M.- West Pavilion

Pledge of Allegiance

National Anthem

Greetings.....Carrie Kaestner
 Chairperson of CPS Student Science Fair, Inc

Welcome.....Elizabeth Copper
Executive Director CPS Student Science Fair, Inc

Remarks..... Charles W. Graham
Past President of CPS Student Science Fair, Inc

GSMI or TBA ALUMNI SPEAKER

Awards Presentation.....Ruby Parnell-Booth
Chairperson of Special Awards CPSSSF, Inc

Winners Recognized.....Dr. Ken Zdunek
Board Member, CPS Science Fair, Inc

Symposium Winners.....Lucy Young
Chairperson of Symposium & Essays

Illinois Junior of Academy of Science (IJAS)Monique Murray
IJAS Region 3 Chairperson

Regeneron International Science & Engineering Fair(ISEF).....Carrie Kaestner
Chairperson of CPS Student Science Fair, Inc

Closing Remarks.....Elizabeth Copper
Executive Director CPSSSF, Inc

Closing Remarks.....Elizabeth Copper
Executive Director CPSSSF, Inc

2023-2024 Scholarship Recipients



Nikita Agrawal / Whitney Young
MIT
Computer Science/Environmental Science
Anthony Crowe Memorial
T-Mobile



Kayla Nguyen / Whitney Young
Bioinformatics
Illinois Tech Tuition Waiver



Ricardo Cabrera / Jones
Mechanical Engineering
Allen Nelson Memorial,
VelocityEHS



Karl Barnickol / Payton
Northwestern University
Chemical Engineering
VelocityEHS



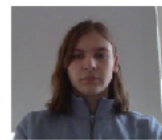
Julia Kim / Payton
Harvard
Neuroscience
Barbara Bulmash Memorial
T-Mobile



Rishi Sandrana / Payton
Computer Science
University of Illinois Urbana-Champaign
Tuition Waiver
Mary Nalbandian Memorial
T-Mobile



**Katelin Brock / South Shore International College
Prep**
Pomona College California
Cognitive Psychology
Harold Kiehm Memorial, CPS Student Science Fair, Inc.



Jakob Nagy / Northside College Prep
Washington University in St Louis
Biochemistry
Kovler Family Foundation



Brenda Garcia / Lake View
 Biology
 University of Illinois Urbana-Champaign
 VelocityEHS



Shreya Patel / Lane
 University of Illinois - Chicago
 Chemistry
 UIC Honors Tuition Waiver



Andrew Rice / Lane
 UCLA
 Aerospace Engineering
 VelocityEHS



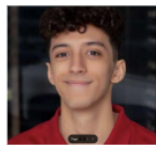
Emi Sanchez / Lane
 University of Florida
 Mechanical Engineering
 Nancy Toomey Memorial
 CPS Student Science Fair, Inc
 VelocityEHS



Sydney Coomer / Lane
 University Pennsylvania
 Computational Biology
 Luba Johnson Memorial
 CPS Student Science Fair, Inc



Sofia Weber / Northside
 MIT
 Earth Science & Physics
 Geri Blakley Memorial
 T-Mobile



Ian Vargas / Von Steuben
 University of Illinois - Chicago
 Computer Science
 Dolores Rosenbaum Memorial
 VelocityEHS

Peoples Gas Middle School STEM Clubs

The following elementary schools have approved STEM clubs sponsored by Peoples Gas. Each club was provided with a stipend for the club sponsor. Giving students the time and support to experience research and investigations of their ideas is important. Engineers will be more available for the 2024-2025 school year to mentor students. The primary objectives of the Peoples Gas Middle School STEM Clubs were to provide guidance to students interested in developing STEM Exhibition projects.

An information meeting is held in the Fall (September/October) to provide teachers with the opportunity to participate in this program.

All students are

“STEM Capable”

Students graduate with 21st century skills that enhance success in college, career, and civic life.

Byrne Elementary
Elaine Sanches

Gillespie Tech Magnet Cluster
Robin Morgan

Parkside STEAM Academy
Janice Coleman-Mathus

ALL HAVE MIDDLE SCHOOL STUDENTS PARTICIPATING IN THE

75TH 2025 EXHIBITION OF STUDENT STEM RESEARCH
Griffin Museum of Science & Industry, March 14- 16, 2025
Awards Presentations, March 16, 2025

CONGRATULATIONS!!!!

