



2022 City-Wide STEM Exhibition Participants



Category	Exhibit #	D or E	Last name, First name	Grade	Title	Netwk	School
Aero-space							
	1	E	Boyke, Jolie	8	The Effect Weight has on Balsa Wood Airplanes	ISP-1	Ebinger
	2	E	Majzoub, Zayd	11	Propeller Blade Twist Effect on Thrust	ISP	Jones College Prep
Behavioral Science							
	3	E	Greicius, Simone	8	How Does Exercise Affect Memory?	2	Waters
	4	E	McAninch, Charlotte	8	Are Smell & Memory Really Connected?	2	Waters
	5	E	Tolentino, Jacob	8	Peppermint Reaction Times	4	Newberry Math & Science Academy
	6	E	Veranga, Sophia	9	Effect of Expectancy on the Placebo Effect	14	Lane Tech College Prep
	7	D	Fritsch-Anderson, Mia	11	Asthma and Inhaler Use	ISP	Whitney M Young Magnet
Biochemistry							
	8	D	El Bissati, Aya	7	Does Blood Type Affect Severity to COVID-19?	10	Keller Regional Gifted Center
	9	E	Crowe, Nina	8	To Knead or Not To Knead	6	Chicago World Language Academy
Botany							
	10	E	Lah, Kathleen	7	The Effects of Flooding on Major Crops	ISP-1	Ebinger School
	10	E	Wade, Gwyneth	7	The Effects of Flooding on Major Crops	ISP-1	Ebinger School
	11	E	Garcia, Brenda	10	Does Growing A Plant Hydroponically Affect Growth	2	Lake View High School
	12	E	Foertsch, Mikayla	11	Radiated Radishes	ISP	Chicago School of Agricultural Sciences
	13	E	Warren, Kathryn	11	Electro-Growth	ISP	Amundsen High School
Chemistry							
	14	E	Diaz, Madeline	7	Oil Spill Dilemma	1	Beaubien Elementary
	14	E	Elizondo, Anna	7	Oil Spill Dilemma	1	Beaubien Elementary
	15	E	Dylag, Gabrielle	7	Water's Code of Conduct	14	Taft Academic Center
	16	E	Guo, Julie	7	At What Temp Does Popcorn Pop the Most?	10	Keller Regional Gifted Center
	17	E	Harden, Symone	7	The Science of Rockets!	ISP	Ted Lenart Regional Gifted
	18	E	Pyle, Victoria	7	Effect of Cacao Percentage on Melting Time	17	Kenwood Academy
	19	E	Xu, Zoe	7	Effects of Matches w/Varying of Wax	6	Chicago World Language Academy
	20	E	Contreras, Paul	8	What Makes Ice Melt The Fastest?	1	Dever Elementary School
	21	E	Fountain, Bree	8	Popcorn Paradise	ISP	Budlling
	22	E	Krueger, Brady	8	Voltaic Pile vs AA Battery	ISP-1	Ebinger
	22	E	O'Malley, Jimmy	8	Voltaic Pile vs AA Battery	ISP-1	Ebinger
	23	E	Lipa, Aria	8	Ocean Acidification	1	Beaubien Elementary
	24	E	Roby, Hannah	8	Which Liquid Cleans Pennies Best	12	Martha Ruggles
	25	E	Kompare, Colleen	9	Effect of Temp on Fuel Cell Efficiency	ISP	Amundsen High School
	26	E	Ismailia, Khadijat	10	Citric Acid in Bath Bombs	14	Von Steuben Metro
	27	E	Conlon, Patrick	11	Bomb Calorimetry	15	Walter Payton College Prep

Computer Science

28	E	Forsman, Carver	7	What Materials Block Wifi the Most?	4	Franklin Fine Arts Center
29	E	Bosch, Felix	8	How does CPU Temperature Affect Performance?	4	Franklin Fine Arts Center
30	E	Vazquez, Bella	8	The Speed of Wifi	1	Palmer
31	D	Agrawal, Nikita	10	Genetic Analysis Algorithm: Colorectal Cancer	ISP	Whitney M Young Magnet
32	D	Sandrana, Rishi	10	TERESA	15	Walter Payton College Prep
33	E	Curran, Sydeny	11	The Effect of Electronic Toy Features on Play	14	Lane Tech College Prep
34	D	Joshi, Maya	11	ML Model for Cranial Age Estimation	15	Walter Payton College Prep
35	D	Hoffman, Rachel	12	Using Computers to Optimize Crop Yield	14	Lane Tech College Prep

Earth Science**Electronics**

36	E	Buehler, Jude	7	The Electric Train	4	Franklin Fine Arts Center
37	E	Graff, Sylvie	8	How Does Voltage Decrease Over Time?	2	Waters

Engineering Science

38	D	Gorokhovskiy, Elliott	7	Silver "wear"	4	Audubon
38	D	Dillow, Aedan	7	Silver "wear"	4	Audubon
39	D	Lewis, Lily	7	Tip Top Table	4	Audubon
39	D	Wilson, Noah	7	Tip Top Table	4	Audubon
40	D	Bish, Nia	8	The Next Chapter!	4	Audubon
40	D	Towns, Olivia	8	The Next Chapter!	4	Audubon
41	D	Nelson, Paige	8	Helping Hand Faucet Extender	4	Audubon
41	D	Richman, Jacklin	8	Helping Hand Faucet Extender	4	Audubon
42	D	Ruger, Audrey	8	Wheelchair Workout	4	Audubon
42	D	O'Mahony, Lucas	8	Wheelchair Workout	4	Audubon
43	E	Gomez, Sixtus	9	Fastest Boarding Methods for Airlines	ISP	Amundsen
44	D	Darlage, Henry	10	Global Warming Is Not Cool	14	Von Steuben
45	E	Duong, Briana	10	How much energy? Wind turbine blade design	14	Von Steuben
46	D	Polkowski, Anna	10	The Effect of Resistance on Conductivity Sensor	14	Lane Tech
47	D	Patel, Priyanshi	11	Helping Bot	14	Von Steuben
48	E	LeMasters, Michael	12	Examination of Common Security Devices	ISP	Amundsen

Environmental Science

49	E	Agrawal, Neena	7	Dam's Effect on Chicago River Water Quality	4	Skinner North Classical
50	E	Ellevog, Ashley	8	Compost V. Soil	ISP	Burley
51	E	Frye, Reagan	8	Does the Color of Light Affect the Rate of Photosynthesis	12	Dixon
52	E	Polkowski, Isabella	8	The Effect of Filter Type on Turbidity of Water	1	Dever Elementary
53	E	Whipple, Lila	8	Insulated panels v.s conventionally framed walls	ISP	Burley
54	E	Schieleit, Ella	9	Phosphorus in the Mississippi River	14	Northside College Prep
55	E	Coomer, Sydney	10	The Effect of Water Temperature on Cos Levels	14	Lane Tech
56	E	Sanchez, Emi	10	The Effect of Microplastics on Decomposition	14	Lane Tech
57	E	Sandu, Nicole	12	Effect of Phytoremediation on Eutrophication	14	Lane Tech

Health Science

58	E	Sell, Declan	7	Sports Drinks vs Natural Juices	ISP	Burley
59	E	Yousif, Oriana	7	Which Cooking Oil is Best For Baking Cookies?	1	Beaubien Elementary
59	E	Manalo, Eleanor	7	Which Cooking Oil is Best For Baking Cookies?	1	Beaubien Elementary
60	E	Cheng, Fiona	8	Nut-rition	1	Dever Elementary
61	E	Burgess, Matilda	9	Fingerprint Patterns Among Siblings	ISP	Amundsen
62	E	Green, Levi	9	Result of COVID-19 Vaccination in the U.S.A.	ISP	Amundsen
63	E	Viniak, Ritvik	11	CDK6 Knockdown in the Treatment of HCC	15	Walter Payton
64	E	Flores, Limaylee	11	Does Music Affect Your Mood?	17	Carver Military Academy
65	E	Harris, Wylan	11	How Does Blue Light Affect Your Memory?	17	Carver Military Academy
66	E	Joshi, Riya	11	Characterization of BRAFi Resistant Melanoma	15	Walter Payton
67	E	Schieleit, Lydia	11	Population Density & Income Related to COVID	14	Northside College Prep
68	E	Smith , Vincent	11	Drinks vs Reaction Time	17	Corliss

Material Science

69	E	Obregon, Zoey	7	The Effect of Masks on Glasses Fogging Up	17	Kenwood
70	E	Van Patten, Miya	7	Career Saving Impact Absorption	ISP	Burley
71	E	Bovay, Jolie	8	Testing the Effectiveness of Masks	ISP	Burley
72	E	Maxwell, Cayleigh	8	Dissolve and Solve	6	Chicago World Language Academy
73	E	Olech, Samuel	8	Which Firewood Burns the Longest?	ISP	Thorp
74	E	Rezek, Jove	8	Does SPF Matter?	1	Dever Elementary

Mathematics

75	E	Shi, Charlotte	7	A Grid of Dots	ISP	Whitney M Young Magnet
75	E	Chen, Cynthia	7	A Grid of Dots	ISP	Whitney M Young Magnet
76	E	Ziegelman, Max	7	Moving on a Triangular Grid	ISP	Whitney M Young Magnet
76	E	Zhao, Alina	7	Moving on a Triangular Grid	ISP	Whitney M Young Magnet
77	E	Hong, Sophie	8	Perfect Intedroids	ISP	Whitney M Young Magnet
77	E	Mehrotra, Aarushi	8	Perfect Intedroids	ISP	Whitney M Young Magnet
78	E	Jones, Bogdan	8	Patterns in primes	ISP	Whitney M Young Magnet
79	E	Mohajir, Noor	8	The Logic of Hats	ISP	Whitney M Young Magnet
79	E	Ruan, Shirley	8	The Logic of Hats	ISP	Whitney M Young Magnet
80	E	Osei, Eryn	11	The Take Away Game	ISP	Whitney M Young Magnet
81	E	Huebner, George	12	Quantum Bogosort	15	Walter Payton

Microbiology

82	E	Vargas, Karina	10	The Effect of Sterilization on E. coli Removal from H2O	14	Lane Tech
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Physics

83	E	Hung, Alex	7	To Sunscreen or Not To Sunscreen	4	Franklin Fine Arts Center
84	E	Rosen, Sydney	7	Egg Drop	6	Chicago World Language
85	E	Bell, Sophia	8	How Does Color Affect Temperature?	4	Newberry Math & Science Academy
86	E	Rice, Andrew	10	Effect of Substances on Baseball Movement	14	Lane Tech

Zoology

87	E	Heller, Brigid	12	Animal Magnetism	ISP	Chicago High School of Agriculture
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E=Experimental Project

D=Design Project