

2023 CPS Student STEM Symposium

Ex#	Last Name, First Name	Grade	Title
Behavioral Science			
601	Lu, Yumou	10	The Effect of Oxytocin on Belief-Bias Effect
Biochemistry			
602	Harb, Leena	12	The Effect of Heat on Ascorbic Acid Concentration
603	Lee, Amanda	12	The Effect of Alpha-Amylase Natural Inhib Starch Conc
Botany			
604	Haynes, Akosua	10	Effect of Salinization on Plant Growth
Chemistry			
605	Patel, Lisa	12	Effectiveness Indigestion Medications
606	Wall, Indigo	9	Effect of Temperature on Capsule Dissolution
Computer Science			
607	Conlon, Patrick	12	Machine Learning AI Self-Sorting Recycling
608	Sandrana, Rishi	11	Predicting Real-End Collisions w/Computer Vision
Earth Science			
609	Agrawal, Nikita	11	ML Model To Predict WildFire Burned Areas
610	Weber, Sofia	11	Regional Variation in Wind Impact on Sea Ice
Electronics			
611	Nabhani, Aiden	9	Contrast of Speed of Sensors
612	Vargas, Ian	11	Disabled Door Device
Engineering			
613	Burke, Grier	10	Rubik's Cube Composition on Solving Time
614	Curran, Sydney	12	RFID Smart Toy
615	Hui, Ethan	9	Autonomous Technology in Drones & Detection
616	Osuji, Divinefavour	10	Autonomous Technology in Drones & Detection
Environmental Science			
617	Coomer, Sydney	11	The Effect of pH on Cladophora glomerata Growth
618	Olszewski, Julian	12	Effect of PFAS on P. lunula
619	Ream, Landra	10	Effect of A. Indica on Soil pH & Plant Growth
Health Science			
620	Burgess, Matilda	10	Angiotensin Genotypes & COVID-19 Symptoms
621	Joshi, Maya	12	mPOC/hydroxyapatite Bone Regeneration Implant
622	Schieleit, Lydia	12	Association of Income, Air Quality, & Asthma
623	Shah, Nayana	10	Effect of Blue Light on Eye Strain w/Placebo
624	Shao, Zhouqi	11	Transcriptome Changes In Cells Of COVID Patients
625	Viniak, Ritvik	12	A Novel siRNA Drug AML Treatment
626	Xu, William	11	Influence of COVID-19 Pandemic on H. Pylori Prevalence in Chicago
Mathematics			
627	Jones, Bogdan Felix	9	Gaussian Primes w/Pseudoprime Coordinate
Microbiology			
628	Ayala, Makayla	10	Effect of Active Substances on S. epidermidia
629	Stofko, Griffin	10	Effect of Bisphenol A Oscillatoria sp
630	Vargas, Karina	11	The Effect of Membrane Material on E. coli
Physics			
631	Hemenover, Maddox	9	The Loudest Drumstick
632	Toporek, Chloe	10	Air Pressure and Soccer Balls
Zoology			
633	Metarapi, Diart	10	The Effect of Microplastics on Fish Eggs