

May 17, 2023

On Monday May 15, Council Rock students presented independent STEM research projects at the State Competition of the Pennsylvania Junior Academy of Sciences (PJAS), which was held at Penn State University. All of Council Rock's secondary schools were represented, with 30 participants attending. Congratulations to all!!!

CR North (Gould, Grateful)

Krithi Ramnath	1st	Kelly Lao	1st
PSU College of Engineering Scholarship		Perfect score	
Akshay Honawar	2nd	Jason Loh	1st
Arya Honawar	3rd	Breanna Micciche	2nd
Vidya Jayaprakash	1st	Marianne Moise	2nd
Neil Kaushik	1st	Alex Tao	1st
Vivi Kim	1st	Cyemberly Tsai	1st
Hannah Knapp	2nd	Emily Eayre	1st
Hansika Kodavali	1st		

CR South (Mohl, Vierick)

Julia Rhodes	1st	Taylor Arnosky	1st
Sahana Ankam	1 st		

Holland MS (Krempa, Versace)

Robert Carroll	3rd	Sarah Xue	1st
Vishwa Narayanan	2nd		

Newtown MS (Curry, Holm, Troxel)

Avi Abrol	1st	Elizabeth Logue	2nd
Sree Allampally	2nd	Morgan Marshall	2nd
Aravind Chandrashekar	1st	Kyle Meyers	1st
Jack Herres	1st	Anuj Patel	1st
Zeal Kansara	1st	Justin Peng	1st
		Perfect score	
Hana Kwon	1st	Neya Sathiya Ganesh	1st
		Perfect score	
Dillon Lind	1st	Xinni Wang	1st

And, you won't believe the variety of projects they are working on! Just keep reading!

Council Rock High School - North

Emily Eayre	The Impact of Saprophytic Fungus on Eggplant Growth and Soil
Arya Honawar	Is E-cigarettes Use/Vaping Associated with Heart Disease?
Akshay Honawar	Impact of COVID-19 on Prostate Cancer Screening in the US
Vidya Jayaprakash	Which Gas is the Source of Global Warming?
Naiveidya Kaushik	Effects of Hydrophobicity in Water Wave Analog
Ahjung Kim	Inducing Microalgal Lipids for Biodiesel Production
Hannah Knapp	The Consistency and Accuracy of a Handmade TC-1 Seismometer
Hansika Kodavali	The Impact of Pine Needles on Compost
Kelly Lao	Early Detection of Major Depression in Adolescents
Jason Loh	The Effect of Air Resistance on a Flywheel
Breanna Micciche	Using Neural Networks to Detect Sound
Marianne Moise	Long Term Effects of Covid
Krithi Ramnath	Pandemic Impact Simulated with Object Oriented Programming
Alex Tao	Long Term Effects of Afforestation in Peat Bogs
Cymerly Tsai	A Novel Approach to Underwater Mobility

Council Rock High School - South

Sahana Ankam	Effect of Alcohol Based Hand Sanitizers on <i>S. Marcescens</i>
Taylor Arnosky	Bacteria Growth Inhibition using Hand Sanitizers
Julia Rhodes	The Effects of Regeneration on Memory in Planarians

Holland Middle School

Robert Carroll	Does Background Radiation Appear Randomly
Vishwa Narayanan	Random Password Generator
Sarah Xue	Activated CO ₂ : Which Particle Size Works Best for Filtration

Newtown Middle School

Avi Abrol	Soil Moisture Sensor
SreeNithya Allampally	Preventing SIDS: Creating a Pulse Oximeter for Babies
Aravind Chandrashekar	What is the Most Efficient Programming Language?
Jack Herres	Hydroponics vs Traditional Agriculture
Zeal Kansara	The Physics of Artificial Gravity
Hana Kwon	Is 1+1 Provable?
Dillon Lind	Paper Apeel
Elizabeth Logue	The Secure Egg Carton
Morgan Marshall	Exploring the Golden Ratio
Kyle Meyers	The Relationship Between Handedness and Career Fields
Anuj Patel	What Type of Liquid is Best for Plant Growth
Justin Peng	Which material absorbs the most sound?
Neya Sathiya Ganesh	How Does Density Affect the Speed of Light?
Xinni Wang	Which sports drink contains most electrolytes after diluted