

Pennsylvania Junior Academy of Sciences

On Saturday, February 20th, Carlisle High School hosted the Pennsylvania Junior Academy of Sciences (PJAS) at the Swartz Building. CASD welcomed over 200 student participants from Adams, Cumberland, Dauphin, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York County middle and high schools. Student participants presented their scientific research to panels of judges within their specific scientific categories. All of the student participants put a lot of hard work, effort, and time into their scientific research and presentations. On behalf of the Science Department and CASD, we congratulate **all** of the student participants for doing such an outstanding job representing their respective schools!

I am happy to announce that CASD will be sending a total of **8** students to the State PJAS competition in May due to their first place finishes! We have seven CHS students and one LMS student representing Carlisle Area School District at this next stage of competition!

First Place Recipients from CHS:



Left to Right: Louis Colangelo, Anthony DeITufo, Taylor Lebo, Sarah Pavlovich, Taylor Hacker, Leah Colestock, Jonathan Robinson

First Place Recipient from LMS:



Mackenzie Miller

SCHOOL-WIDE RESULTS:

LMS

MACKENZIE	MILLER	Does soap affect flammability?	1st
KEEGAN	KRUEGER	The Effectiveness of Drought Resistant Grass	2nd
ABBY	OTTO	What Effect Does Soda Have On Teeth?	2nd
MABEL	SHEESLEY	Respiration and Yeast Stress	3rd
THEA	GAYMAN	Which fat makes cookies spread the most?	3rd

CHS

Anthony	DeTufo	The Heat Retention Capability of Different Types of Pasta	1st
Leah	Colestock	Goodness Gracious (Not so?) Great Balls Of Evaporation	1st
Taylor	Hacker	Crater Formation: Relationship Between Force and Ejection	1st
Sarah	Pavlovich	Let's Kick It	1st
Louis	Colangelo	Up, up and Away: The Affect of Wingtip Shape on Lift	1st
Taylor	Lebo	Air Quality VS Water Quality	1st
JonathaN	Robinson	Jumping for Science:Ground Reaction Force of a VerticalJump	1st
Sandi	Kadric	Levels of PM2.5 microns in the atmosphere in Carlisle, PA	2nd
Adnan	Alagic	Truck Drag Change With Airtabs	2nd
Megan	Lyons	Heights and Dangers	2nd
Cierra	Smetana	K9 Curiosity: The Tell-tail Signs of a Dog's Emotions	2nd
Zoe	Spielman	Dangerous Dirt	2nd
Tyler	Douglas	Plants vs. Colored Light	2nd
Caleb	Curry	Lung Capacity of Musicians	2nd
Scott	Bowser	Effects of Silver Nanoparticles on E. coli K-12 Growth	3rd

 PSU qualifiers