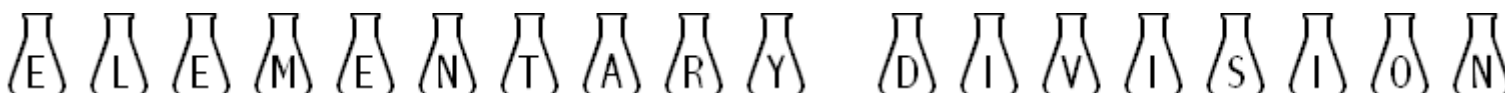


CASAC SCIENCE FAIR RESULTS - 2015

As always, Carlisle Area School District students had a phenomenal showing at the 58th annual Carlisle Area Science Advisory Committee (CASAC) science fair. Listed below are all of the results from the elementary, junior, and senior divisions. Grand champion winners from CASD are highlighted in blue.

Please take the time to look at this comprehensive, school-wide list. Please also congratulate these students on their participation in this fair. Entering the fair, carrying out scientific research, and completing a display board is a lot of hard work, time, effort and dedication.

Seniors, we wish you luck in the future and hope you continue to explore the sciences. For those students who are not graduating, we certainly hope to see you at the 2016 CASAC science fair!



Project Code	School	Student Name	Division / Category	Project Title	Result
EH-09	Hamilton	Smith, Garrison	Elementary	Is goose down or llama fiber a better insulator?	1 ST PLACE - 1 ST GRAND CHAMPION
END-02	North Dickinson	Barrett, Hannah	Elementary	Drive for Show	1 ST PLACE - 2 ND GRAND CHAMPION
EB-10	Bellaire	Martin, Carter	Elementary	Which substance, dissolved in water, carries an electrical current most efficiently?	1
EB-13	Bellaire	Pluta, Charlie	Elementary	What is the effect of the materials used for a sling shot to determine the accuracy?	1

CASAC SCIENCE FAIR RESULTS - 2015

EC-01	Crestview	Alwine, Hannah	Elementary	OUCH!	1
EC-04	Crestview	Brody, Ryan	Elementary	What is the Fastest Way to Cool a Can of Soda?	1
EC-21	Crestview	Podzic, Sejla	Elementary	Which color of birdseed do birds like the most?	1
EL-06	Letort	Trayer, Kai	Elementary	Which water grows plants better?	1
EM-25	Mooreland	Raphael , Michael	Elementary	How different surfaces affect transfers of energy from a basketball	1
EM-27	Mooreland	Ring, Lydia	Elementary	Does Playing Music Affect Math Performance?	1
EM-39	Mooreland	Wise, Tucker	Elementary	What bait will attract a mouse best?	1
END-17	North Dickinson	Line, Hailey	Elementary	Purely Water	1
END-21	North Dickinson	Plant, Sara	Elementary	The Affect of Liquid Germinating Bean Seeds	1
END-25	North Dickinson	Stiltner, Nicholas	Elementary	Apples to Apples	1
EC-08	Crestview	Colangelo, Eric	Elementary	Battery Thermal Impact	1
EC-22	Crestview	Richwine, Allyson	Elementary	How does different colored light affect plant growth?	1
EC-23	Crestview	Richwine, Zachary	Elementary	How does air pressure affect a soccer ball?	1
EC-24	Crestview	Rickrode, Isaac	Elementary	Does the size of a parachute matter?	1
EC-25	Crestview	Rose, Isabella	Elementary	Does the weather affect human emotions?	1
EC-26	Crestview	Rotz, Aiden	Elementary	Which substance freezes first?	1
EC-27	Crestview	Shepard, Logan	Elementary	What Substance Makes Ice Melt Fastest?	1
EH-02	Hamilton	Cruz, Danny	Elementary	Which type of liquid melts ice the fastest?	1
EL-03	Letort	Healy, Ethan	Elementary	Candy Explosions in Diet Coke	1
EM-04	Mooreland	Dolan, Dervla	Elementary	How Temperature Affects Magnetic Strength	1
EM-08	Mooreland	Galbraith, Ian	Elementary	Toasty Toes	1
EM-14	Mooreland	Kellam, Maliya	Elementary	Rubber Bands in Action	1
EM-16	Mooreland	Kyle, Hayden	Elementary	How to grow the largest crystals	1
EM-22	Mooreland	Martin, Brian	Elementary	How Friction and Gravity are Affected when Car Brakes are Pulled	1

CASAC SCIENCE FAIR RESULTS - 2015

EM-35	Mooreland	Thumma, Alex	Elementary	Do mnemonic devices help you remember facts better?	1
EM-36	Mooreland	Waleski, Sarah	Elementary	Angle of the Catapult and its Effect on Distance	1
EM-37	Mooreland	Warren, Nicholas	Elementary	Yeast Fermentation	1
EMT-12	Mt. Holly Springs	Keller, Aidin	Elementary	How much weight can an egg withstand? Store bought vs. home raised.	1
EMT-13	Mt. Holly Springs	Keller, Bryce	Elementary	Does the size of the balloon effect how far an aluminum can will roll using only static electricity?	1
EMT-18	Mt. Holly Springs	Orner, Jayden	Elementary	Plain vs. Colored Candles	1
EMT-20	Mt. Holly Springs	Shank, Kevin	Elementary	SuperFlyers	1
END-05	North Dickinson	Cabral, Noel	Elementary	SNAP!!	1
END-08	North Dickinson	Davenport, Thomas	Elementary	How Does the Length of the Tube Affect the Speed of the Ball?	1
END-09	North Dickinson	Doty, Olivia	Elementary	Barometric Behavior	1
END-11	North Dickinson	Frutsche, Nicholas	Elementary	Do You See What I See? Optical Illusions	1
END-15	North Dickinson	Kline, Carley	Elementary	How Does the Size of a Piece of Paper Affect the Rate at Which It Falls?	1
END-16	North Dickinson	Kriner, Jack	Elementary	Liquid Heat Retention in Cups of Different Materials	1
END-18	North Dickinson	Martin, Stephanie	Elementary	Boiling Point for Cooking Materials	1
END-19	North Dickinson	Orr, Nathan	Elementary	Citrus Charge	1
END-24	North Dickinson	Shabala, Parker	Elementary	Wow, that's sour!	1
END-26	North Dickinson	Thompson, Cheney	Elementary	Brrrrr! Freezing Fun	1
EB-02	Bellaire	Bowers, Paige	Elementary	Which nail polish is the longest lasting non-chip product on the market?	2
EB-04	Bellaire	Clements, Calyn	Elementary	Can food color affect taste? - EDIT: Can food color affect taste?	2
EB-05	Bellaire	Clements, Maya	Elementary	What are the personality differences between dog and cat people?	2
EB-06	Bellaire	Crawford, James	Elementary	Does My Family Share the Same Germs?	2

CASAC SCIENCE FAIR RESULTS - 2015

EB-09	Bellaire	Lloyd, Jaxxen	Elementary	Are expensive paper towels more absorbant than cheap paper towels?	2
EB-15	Bellaire	Price, Dallas	Elementary	How Corrosive Are Soda Beverages?	2
EC-09	Crestview	Collins, Jillian	Elementary	Can smell improve your memory?	2
EC-14	Crestview	Mcllhenny , Heather	Elementary	Which paper towel absorbs the most water?	2
EC-19	Crestview	Overmiller, Chloe	Elementary	Which part of the school has the most bacteria?	2
EC-28	Crestview	Swahlon, Megan	Elementary	What is the Best Way to Remove Sharpie from Clothing?	2
EC-29	Crestview	Thompson, Elaina	Elementary	Doll Hair Frizz	2
EH-08	Hamilton	Robinson, Nyla	Elementary	What brand of gum last long	2
EL-02	Letort	Case, Lachlan	Elementary	What's your favorite spoon?	2
EL-04	Letort	Intini, Frank	Elementary	Best Fruit for Hydration	2
EL-05	Letort	Payne, Hannah	Elementary	Horses and Salt Licks	2
EM-05	Mooreland	Dyche, Ethin	Elementary	What is the best insulation?	2
EM-15	Mooreland	Kelley, Alexandra	Elementary	Hand Sensitivity	2
EM-23	Mooreland	Maschmeyer, Cole	Elementary	Art Bot Designs	2
EM-28	Mooreland	Rose, Ethan	Elementary	Measuring sugar in drinks	2
EM-29	Mooreland	Salomone, Sam	Elementary	Do color preferences bias our choices?	2
EM-32	Mooreland	Smith, Henry	Elementary	Sports Drinks: Do They Really Provide More Energy?	2
EM-33	Mooreland	Som, Neena	Elementary	How Do You Make the Best Cookie?	2
EM-38	Mooreland	Weirich, Kirsten	Elementary	Surprising Levels of Household Radiation	2
EMT-07	Mt. Holly Springs	Deaso, Kayla	Elementary	What powers a flower?	2
EMT-08	Mt. Holly Springs	Garman, Olivia	Elementary	Whats the difference in waters? "Who cares?"	2
EMT-10	Mt. Holly Springs	Herman, Andrew	Elementary	What Materials can keep Food the Coldest!	2
EMT-11	Mt. Holly Springs	Hetrick, Samarah	Elementary	Flower Power	2
EMT-14	Mt. Holly Springs	Lawton, Zachary	Elementary	How Strong Am I?	2
EMT-15	Mt. Holly Springs	Leskosky, Louis	Elementary	Does the color of water affect its evaporation	2

CASAC SCIENCE FAIR RESULTS - 2015

EMT-16	Mt. Holly Springs	Lukenich, Travis	Elementary	Which type of salts melts ice the fastest?	2
EMT-25	Mt. Holly Springs	Warren, Justice	Elementary	How much does a person's heart rate change while playing a video game	2
END-04	North Dickinson	Boback, Ella	Elementary	Acidity and Bacteria In Dog Saliva	2
END-13	North Dickinson	Gobin, Elizabeth	Elementary	How to store bananas.	2
END-20	North Dickinson	Plank, Caleb	Elementary	Corrosive Drinks	2
END-22	North Dickinson	Pretopapa, Mason	Elementary	Cookie Baking With Different Types Of Sweetener	2
EB-01	Bellaire	Andrews, Owen	Elementary	How does temperature affect making maple candy?	3
EB-17	Bellaire	Shay, Maria	Elementary	A Glass Symphony	3
EB-19	Bellaire	Ward, Kason	Elementary	Do high-float balloons last longer than balloons with only helium (no high-float)?	3
EC-05	Crestview	Cain, Creed	Elementary	Candy Chromatography	3
EC-10	Crestview	Conrad, Riley	Elementary	do not know yet	3
EC-11	Crestview	Dedic, Dinela	Elementary	What Egg Fluoridation Reveals	3
EC-13	Crestview	McConnell, Tyler	Elementary	The Arrow: What's the Point?	3
EC-16	Crestview	Morrow, Conner	Elementary	Ball Toss	3
EH-01	Hamilton	Bowen , Angelica	Elementary	Does holding a mirror in front of a fish change what a fish does?	3
EH-10	Hamilton	Thomas, Jayde	Elementary	Do different types of apples have the same number of seeds?	3
EH-11	Hamilton	Walker, Jayden	Elementary	Which chocolate melts the fastest? Dark, Milk, or White?	3
EH-12	Hamilton	Brown, Emma	Elementary	Shape Disappearing - EH-12	3
EH-14	Hamilton	Wert, Chloe	Elementary	Diaper Absorbency - EH-14	3
EL-07	Letort	VONFAHNESTOCK, Julia	Elementary	DRAG RACING IN THE WATER	3
EM-01	Mooreland	Barr, Maxwell	Elementary	Are there dangerous levels of lead in local soil?	3
EM-10	Mooreland	Gehman, Lola	Elementary	Cream of Tartar: Friend or Foe?	3
EM-12	Mooreland	Henry, Kyle	Elementary	How to make a raft out of surface tension	3

CASAC SCIENCE FAIR RESULTS - 2015

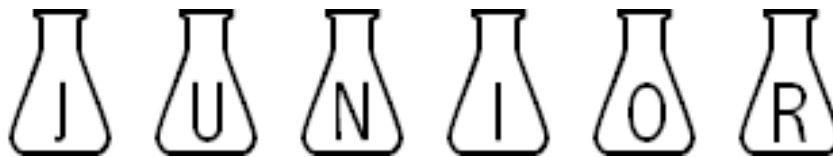
EM-18	Mooreland	Leshniowsky, Kathryn	Elementary	Determining if people have different amounts of salivary amylase	3
EM-31	Mooreland	Smith, Jack	Elementary	Hitting Distance: Wood or Composite Baseball Bat?	3
EM-34	Mooreland	Syverson, Amy	Elementary	Do finger prints differ more between twins or siblings?	3
EMT-02	Mt. Holly Springs	Batzel, Autumn	Elementary	Surface Tension	3
EMT-03	Mt. Holly Springs	Bowermaster, Paige	Elementary	Quality of Jello	3
EMT-06	Mt. Holly Springs	Brown, Richard	Elementary	Evaporation Process	3
EMT-17	Mt. Holly Springs	Martin, Kaylea	Elementary	Does water with salt boil faster than plain water?	3
EMT-19	Mt. Holly Springs	Orner II, Lee	Elementary	How does water affect mold growth?	3
EMT-21	Mt. Holly Springs	Sheaffer, Bradlee	Elementary	What wood stove fuel gives my family the most heat?	3
EMT-29	Mt. Holly Springs	Yingst, Paige	Elementary	Best ink stain remover	3
END-01	North Dickinson	Adams, Bryson	Elementary	Composting	3
END-03	North Dickinson	Blymire, Elizabeth	Elementary	Does carbon dioxide escape faster in darker, lighter, or different colored soda?	3
END-06	North Dickinson	Clifford, Brandon	Elementary	Viscosity of Liquids	3
END-07	North Dickinson	Clites, Carter	Elementary	A dog sense of smell in relation to dog's response of treats.	3
END-10	North Dickinson	Frank, Mariana	Elementary	Freshness of an Egg	3
END-23	North Dickinson	Robinson, Ella	Elementary	Mechanical Advantage of Pulley Systems	3
END-27	North Dickinson	Wargins, John Paul	Elementary	Water Balloon Explosion	3
EB-08	Bellaire	Landis, Isaac	Elementary	DIY Emergency Lights Comparison	HM
EB-11	Bellaire	Patel, Neel	Elementary	Do crystals form better in hot or cold water?	HM
EB-16	Bellaire	Schmitt, Gavin	Elementary	How much sugar is in different types of soda?	HM
EB-18	Bellaire	Slaughter, Hana	Elementary	How much salt does it take to float an egg?	HM
EC-02	Crestview	Baker, Daina	Elementary	Which Cheese Molds the Fastest?	HM
EC-06	Crestview	Carlo, Haley	Elementary	What liquids, when mixed with Baking Soda, will cause a balloon to self inflate?	HM

CASAC SCIENCE FAIR RESULTS - 2015

EC-07	Crestview	Clay, Madelyn	Elementary	Head or Tails...too Dirty to Tell	HM
EC-12	Crestview	DeYoung, D. Arthur	Elementary	Bacteria Badness	HM
EC-15	Crestview	Miller, Arianna	Elementary	Soaking for Suds	HM
EC-17	Crestview	Nankee, Robbie	Elementary	What will happen to cookies if they are baked with no baking soda?	HM
EC-18	Crestview	Omerovic, Inela	Elementary	Can you tell what something is just by touching it ?	HM
EC-20	Crestview	Pham, Melissa	Elementary	Can it float?	HM
EC-30	Crestview	Wheeler, Isabelle	Elementary	Electric Circuits - Conductors/Resistors	HM
EH-04	Hamilton	Hurst, Lochlan	Elementary	Crystal Snowflakes	HM
EH-05	Hamilton	McKnight, Liam	Elementary	Sensitivity	HM
EH-06	Hamilton	Neal, Tessa	Elementary	taste buds and your tongue	HM
EH-13	Hamilton	Grippin, Olivia	Elementary	Wet Mugs - EH-13	HM
EL-01	Letort	Bilafer, Mia	Elementary	The Magic Ketchup Experiment	HM
EM-03	Mooreland	Darr, Ella	Elementary	What pops best?	HM
EM-06	Mooreland	Fair, Evan	Elementary	Flow of Electricity	HM
EM-07	Mooreland	Fisher, Isaac	Elementary	What type of dog toys appeal to dogs more than others?	HM
EM-09	Mooreland	Gayman, Charles	Elementary	Which contains the most germs: a toilet seat, a faucet handle, or an iPhone?	HM
EM-11	Mooreland	Getty, Maddy	Elementary	Expensive Vs. Cheap Nail Polish	HM
EM-13	Mooreland	Howland, Tim	Elementary	Which type of toothpaste makes a stained egg the whitest?	HM
EM-17	Mooreland	Leibig, Olivia	Elementary	Blind Tasting	HM
EM-19	Mooreland	Lively, Graham	Elementary	Monarch Rescue	HM
EM-20	Mooreland	Major, Taleah	Elementary	Microwave Candy	HM
EM-24	Mooreland	Osborn, Taylor	Elementary	Which battery brand lasts longer in a flash light	HM
EM-26	Mooreland	Richeson, Ben	Elementary	The Birthday Problem	HM
EM-30	Mooreland	Smith, Ashton	Elementary	No Pain, Lots of Game	HM
EMT-01	Mt. Holly Springs	Altizer, Kayla	Elementary	How long can plants survive without sunlight or water?	HM
EMT-04	Mt. Holly Springs	Brenneman, Cecelia	Elementary	Bread that is Molding	HM

CASAC SCIENCE FAIR RESULTS - 2015

EMT-05	Mt. Holly Springs	Brenneman, Chase	Elementary	Where does bread mold the fastest?	HM
EMT-22	Mt. Holly Springs	Stone, Evalyn	Elementary	Which battery brand lasts the longest	HM
EMT-23	Mt. Holly Springs	Swartz, Logan	Elementary	Fire Extinguishment	HM
EMT-24	Mt. Holly Springs	Verow, Matthew	Elementary	What Is the Best Way to Sharpen a Knife?	HM
EMT-26	Mt. Holly Springs	Warrenfeltz, Gabrielle	Elementary	Effectiveness of Bleach Concentration	HM
EMT-27	Mt. Holly Springs	Watson, katelynn	Elementary	Is soda really that bad?	HM
EMT-28	Mt. Holly Springs	Williams, Chantell	Elementary	Speed of browning on an apple	HM
END-12	North Dickinson	Gilbert, Elyssa	Elementary	Marigold Magic	HM
END-14	North Dickinson	Kauffman, Kenzie	Elementary	Sponge Absorption	HM
EB-12	Bellaire	Petsinis, Athanasia	Elementary	What Is The Effect Of Putting An Egg In Different Liquids?	P



JL-08	Lamberton Middle School	Cox, Jonathan	Junior	Which material will prevent an egg from breaking the most?	1
JL-17	Lamberton Middle School	Harper, Justin	Junior	Which Charge Is Better?	1
JW-54	Wilson Middle School	Peck, Kaitlyn	Junior	Temperature and Acidity	1
JW-66	Wilson Middle School	Spielman, Zoe	Junior	The Effects of Hydroponics on Plant Growth	1
JL-21	Lamberton Middle School	Kot, Chloe	Junior	Pictures and Perceptions: the Effect of Photographs on Perceptions of the Military	1
JL-22	Lamberton Middle School	Leshniowsky, Morgan	Junior	the variation of salivary amylase among humans	1
JL-25	Lamberton Middle School	Martin, Rachel	Junior	Fine Motor Skill Comparison Between Boys & Girls	1
JW-03	Wilson Middle School	Bell, Rachel Lloyd, Colin	Junior	Will you bank the shot?	1
JW-05	Wilson Middle School	Booths, Andrew	Junior	The Speed of Flight	1
JW-10	Wilson Middle School	Culberson, Hunter	Junior	Wait! Does Weight Matter?	1

CASAC SCIENCE FAIR RESULTS - 2015

JW-16	Wilson Middle School	Eppley, Drew	Junior	Fast Fizz - The Effect of Temperature on Chemical Reaction	1
JW-20	Wilson Middle School	Friscia, Ryan	Junior	Chew Your Heart Out!	1
JW-23	Wilson Middle School	henry, riley	Junior	cookies: Can you blame the burnt ones on the sheet?	1
JW-26	Wilson Middle School	Jimenez, Andrea	Junior	To Stick Or Not To Stick	1
JW-31	Wilson Middle School	Kaufman, Kristina Castro, Giana	Junior	YUM or Healthy? Does sugar affect the taste and quality of baked goods?	1
JW-51	Wilson Middle School	Orris, Austin Price, Adam	Junior	Tee Time	1
JW-67	Wilson Middle School	Sullivan, Zane Kulp, Sam	Junior	"Bouncingheit"	1
JL-04	Lamberton Middle School	Bergsten, Sean	Junior	What are the best antibacterial products?	2
JL-14	Lamberton Middle School	Gayman, Thea	Junior	Which whitening toothpaste is most effective?	2
JL-23	Lamberton Middle School	Line, Arianna	Junior	Is Your Soil Soiled?	2
JL-27	Lamberton Middle School	Rosborough, Hannah	Junior	Light Me Up	2
JL-28	Lamberton Middle School	Shank, Gretal	Junior	Genetic Winks	2
JL-31	Lamberton Middle School	Stuart, Evy	Junior	Paw preference in pets!	2
JL-34	Lamberton Middle School	Waleski, Ethan	Junior	The Effect of Mass on the Distance an Object Flies	2
JW-01	Wilson Middle School	Avidic, Ahmed	Junior	Which Catapult Can Knock Down a Lego Structure?	2
JW-07	Wilson Middle School	Cain, Brodie	Junior	That's the way the ball bounces	2
JW-14	Wilson Middle School	DeYoung, Annelise	Junior	How well do you smell?	2
JW-15	Wilson Middle School	Dyson, Alyssa O'Neill, Kathleen	Junior	Does Age Really Affect Memory?	2
JW-22	Wilson Middle School	Hankes, Andrew	Junior	Music At Work	2
JW-25	Wilson Middle School	Huntsberger, Jaide	Junior	Does the time of day affect a hamsters sense of diriction?	2
JW-27	Wilson Middle School	Johns, Dylan	Junior	What burns slower, computer paper or magazine paper?	2
JW-37	Wilson Middle School	Lindsay, Abigail	Junior	Salty Plants	2
JW-38	Wilson Middle School	Mataboni, Timothy	Junior	Does Competition Affect Productivity?	2

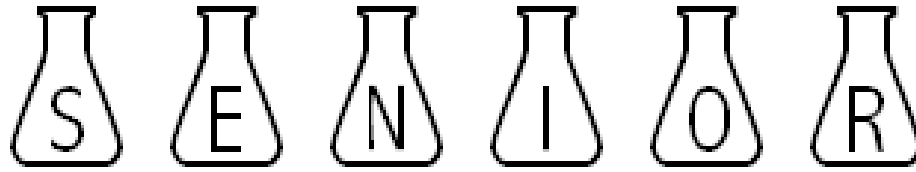
CASAC SCIENCE FAIR RESULTS - 2015

JW-45	Wilson Middle School	Morrison, Garrett	Junior	Do Distractions Make Your Driving Worse in Mario Kart?	2
JW-47	Wilson Middle School	Murray, Jayden	Junior	Paper Airplane Aerodynamics	2
JW-52	Wilson Middle School	Pabon, Christian	Junior	Do Worms Make Plants Squirm?	2
JW-65	Wilson Middle School	Sheperd, Sarah Glessnar, Kain	Junior	Microwaved Watered Plants	2
JL-01	Lamberton Middle School	Barone, Sophie	Junior	Enzyme-Catalyzed Reactions	3
JL-02	Lamberton Middle School	Bates, Evan	Junior	Does Music Affect Concentration?	3
JL-03	Lamberton Middle School	Beals , Emilie	Junior	Which Trestle Should You Trust?	3
JL-05	Lamberton Middle School	Bourdon, Joseph	Junior	crime scene helper	3
JL-07	Lamberton Middle School	Cook, Joshua	Junior	Soda Pops	3
JL-10	Lamberton Middle School	Daly, Sarah	Junior	What size works best for a parachute?	3
JL-15	Lamberton Middle School	Ginter, Ava	Junior	Can people detect small variation in weights of an object?	3
JL-16	Lamberton Middle School	Ginter, Michael	Junior	Do certain numbers and letters make a significant number of people think of the same color?	3
JL-35	Lamberton Middle School	Zahos, Nicole	Junior	Do Screen and Text Color Affect Retention?	3
JW-06	Wilson Middle School	Bowers, Skylar Bramble, Jenna	Junior	Which Gender of Humans do Different Gendered Dogs Prefer?	3
JW-08	Wilson Middle School	Cain, Jenna	Junior	Cinnamon and mouth microbes	3
JW-09	Wilson Middle School	Crawford, Anna	Junior	What's Going on Behind Those Puppy Dog Eyes?	3
JW-29	Wilson Middle School	Jones, Sean	Junior	Do mints affect test performance?	3
JW-36	Wilson Middle School	Lane, Olivia	Junior	Can an egg withstand greater force from one side than the other?	3
JW-39	Wilson Middle School	Mattaboni, Zach	Junior	The Effect of Video Games on teh Heart Rate	3
JW-41	Wilson Middle School	McNaughton, Emily	Junior	Does the temperature of the water used when watering plants affect the plant's growth?	3
JW-48	Wilson Middle School	Nankee, Emily Barker, Kelly	Junior	Poinsettia Power	3
JW-55	Wilson Middle School	Petsinis, Vasiliki	Junior	Does Mint Actually Cool Things	3

CASAC SCIENCE FAIR RESULTS - 2015

				Down?	
JW-61	Wilson Middle School	Ruiz, Eric	Junior	Does the pressure in a basketball affect the foul shot?	3
JW-62	Wilson Middle School	Sale, Faith Sale, Lisa	Junior	Salted vs Unsalted: Which Butter Will Melt Faster?	3
JW-63	Wilson Middle School	Schrubb, Morgan	Junior	Are fingerprint inherited?	3
JW-70	Wilson Middle School	Wickard, Elizabeth	Junior	is smiling contagious?	3
JL-11	Lamberton Middle School	Daron, Emma	Junior	Where should you burn your candle?	HM
JL-12	Lamberton Middle School	English, Anya	Junior	Does carbonic acid affect the amount of oxygen produced by an aquatic plant?	HM
JL-13	Lamberton Middle School	Fowler, Jonas Madio, Ben	Junior	unsure	HM
JL-18	Lamberton Middle School	Heeb, Will	Junior	A Sunny Solution: Solar Power In Central Pennsylvania	HM
JL-26	Lamberton Middle School	Miller-Kling, Konnor	Junior	Banana Burn	HM
JL-33	Lamberton Middle School	Vezina, Mabel	Junior	Water Filtration	HM
JW-02	Wilson Middle School	Becirovic, Selma Rizvanovic, Ajla	Junior	Is Sensitivity Heightened On Your Dominant Side?	HM
JW-04	Wilson Middle School	Bender, Lynnze	Junior	Don't Rock The Boat	HM
JW-12	Wilson Middle School	Daugherty, Reese	Junior	Fruit Preservation	HM
JW-21	Wilson Middle School	Glasser, Donovan Smithmyer, Declan	Junior	the domino effect	HM
JW-30	Wilson Middle School	Joy, Luka	Junior	The Power of Thoughts	HM
JW-33	Wilson Middle School	Kissinger, Jacob	Junior	The Egg Drop	HM
JW-43	Wilson Middle School	Mellott, Anthony	Junior	Think Fast	HM
JW-53	Wilson Middle School	Paul, Brayden	Junior	Freezing Fog	HM
JW-56	Wilson Middle School	Petsinis, Kalliopi	Junior	What Liquid Do Eggs Float In?	HM
JW-59	Wilson Middle School	Rackley, Karlee	Junior	Does food coloring affect mold growth in a cake?	HM
JW-64	Wilson Middle School	Scudder, Wilson	Junior	Spaghetti Bridge Project	HM
JW-49	Wilson Middle School	Newhouse, Isaiah	Junior	how is glass made	P

CASAC SCIENCE FAIR RESULTS - 2015



Project Code	School	Student Name	Division / Category	Project Title	Result
SC-45	Carlisle High School	Kaufman, Erik	Senior - Physics	Safe and Sound; Studying Distance and Noise Reduction	1 st – GRAND CHAMPION
SC-03	Carlisle High School	Alagic, Adnan	Senior - Chemistry	How does temperature affect the elasticity of different types of rubber bands?	1
SC-13	Carlisle High School	Brehm, Zachary	Senior - Physics	Examining the Insulative Properties of Polymer Constructions	1
SC-25	Carlisle High School	Day, Rachel	Senior - Biology	pHun with Plants: The Effects of pH on Plant Growth	1
SC-27	Carlisle High School	Dworak, Kaitlyn	Senior - Earth Science	Cumberland County Soil Comparison	1
SC-28	Carlisle High School	Edwards, Forest	Senior - Earth Science	Examining the Insular Properties of Fabric and Plastic Row Covers	1
SC-30	Carlisle High School	Eppley, Madeline	Senior - Biology	Optimizing Bacterial Transformation Efficiency	1
SC-33	Carlisle High School	Fischbach, Danyon	Senior - Biology	The Effects of Freezing on the Height of Bean Plants	1
SC-34	Carlisle High School	Fox, Allison Zukowski, Emily	Senior - Chemistry	Which acid reducer is the most effective?	1
SC-40	Carlisle High School	Hietsch, Benjamin	Senior - Physics	Due For A Tune Up	1
SC-46	Carlisle High School	Kennaly, Erin Benson, Brianna	Senior - Biology	Greywaters effect on earthworms.	1
SC-52	Carlisle High School	Lopez , Leanza	Senior - Biology	Awestruck Algae; Examining Whether Common Pond Algae Remedies Can Stunt River Algae Growth	1
SC-64	Carlisle High School	Smith, Sarah Moffatt, Sophia	Senior - Earth Science	Using Daphnia to Monitor Water Sediments	1
SC-67	Carlisle High School	Stoner, Brooke	Senior - Biology	Which part of the black walnut tree contains the highest concentrations of allelopathic substances?	1

CASAC SCIENCE FAIR RESULTS - 2015

SC-74	Carlisle High School	Wise, Kyle	Senior - Biology	D-Netting Vs. Leaf Bagging; Which Macro-Invertebrate Collection Method is the Most Accurate?	1
SC-75	Carlisle High School	Wise, Derek	Senior - Math/Computer	Computer Cores Vs. Run Time	1
SC-76	Carlisle High School	Wuestner, Michael	Senior - Physics	Helmets and Safety	1
SC-04	Carlisle High School	Amsley, Drew	Senior - Physics	Mouth Guards and Safety	2
SC-16	Carlisle High School	Checkett, Aidan Bergsten, Anders	Senior - Behavioral	Measuring the Cumulative Effects of the Actions of Others on Risk/Reward Analysis	2
SC-23	Carlisle High School	Dailey, Sean	Senior - Biology	The Bacterial Analysis of Local Education Facilities	2
SC-26	Carlisle High School	Duncan, Heather	Senior - Biology	Chopstick Toxicity	2
SC-31	Carlisle High School	Estes , Jeff Echevarria, Matt	Senior - Earth Science	Salinity Affecting Erosion	2
SC-36	Carlisle High School	Fuller, Matthew	Senior - Physics	How To Fix a Slice	2
SC-43	Carlisle High School	Junga, Amy Bixby, Fran	Senior - Earth Science	Weather Affects Light Pollution	2
SC-48	Carlisle High School	Kulp, Sarah	Senior - Physics	Common Natural Materials Ability to Soundproof	2
SC-50	Carlisle High School	Loose, Cameron	Senior - Physics	Study of the Coefficient of Friction of Volleyball Shoes	2
SC-56	Carlisle High School	Nord, Matthew	Senior - Physics	How do the surface characteristics of an airfoil affect the drag and lift.	2
SC-57	Carlisle High School	Otto, Zack	Senior - Chemistry	Fabric Softener on Flammability	2
SC-58	Carlisle High School	Petrinak, Bethany	Senior - Biology	Sugar's Effectiveness as a Preservative	2
SC-59	Carlisle High School	Præstgaard, Matthew	Senior - Physics	Turning Up the Heat!/ How does an increase of temperature affect the conductivity of iron?	2
SC-60	Carlisle High School	Quattrone, Megan	Senior - Biology	Exercise and Vital Lung Capacity	2
SC-65	Carlisle High School	Starling, Madeline	Senior - Physics	Weather Affect on Softball Distances	2
SC-66	Carlisle High School	Stephens, Emma	Senior - Earth Science	No Till Soil v. Tilled Soil	2

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SC-68	Carlisle High School	Stoup, Jolyne	Senior - Physics	Best Spike?	2
SC-69	Carlisle High School	Sweeder, Devon	Senior - Biology	Fruit: Nutrition vs. Density	2
SC-71	Carlisle High School	Verderame, Vincent	Senior - Physics	Ballista	2
SC-72	Carlisle High School	Walters, Abigail Neslund, Allison	Senior - Physics	Type of Field Hockey Ball in Relation to Speed	2
SC-77	Carlisle High School	Yang, Yujin	Senior - Math/Computer	Peltier Tile Trials: The Most Efficient Temperature Settings	2
SC-01	Carlisle High School	Adair, Meredith	Senior - Biology	Effects of Hand Sanitizer on Bacterial Growth	3
SC-07	Carlisle High School	Bechtel, Evan	Senior - Chemistry	Oil-Based Diesel: A Comprehensive Study of the Efficiency and Energy Content of Various Biodiesels	3
SC-11	Carlisle High School	Borden, Riley Grace	Senior - Earth Science	The Effect of Zinc Spray on Fruit Tree Trunks on Fungi Growth	3
SC-12	Carlisle High School	Bowser, Scott Bowser, Brian	Senior - Biology	The Effect of Acid Rain on Plant Growth	3
SC-14	Carlisle High School	Brown, Alethea McCreary, Elizabeth	Senior - Physics	The preformance of softball bats	3
SC-15	Carlisle High School	Centobene, Joseph Richwine, Josh	Senior - Physics	Baseball Bounce	3
SC-17	Carlisle High School	Chirico, Noah	Senior - Earth Science	Acid Rain Neutralization: A Study of Natural Bases and Their Effect on the Impact of Acid Rain	3
SC-18	Carlisle High School	Ciocca, Karina	Senior - Earth Science	Elemental Analysis of Micrometeorites	3
SC-20	Carlisle High School	Clippinger, Breanne	Senior - Biology	Spritley Sprouts: Ideal Growing Conditions for Mung Bean Sprouts	3
SC-22	Carlisle High School	conde, sophia	Senior - Biology	Which Web is the Strongest?	3
SC-24	Carlisle High School	Daugherty, Jaxon	Senior - Chemistry	Phthalate Testing in Plastic Water Bottles	3
SC-29	Carlisle High School	Ely, Morgan	Senior - Chemistry	What are the nutrient, mineral and chemical differences between bottled, city and tap water?	3
SC-32	Carlisle High School	Fetter, Brianna	Senior - Biology	The Effect of Salt on Plant Growth	3

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SC-35	Carlisle High School	Frizzell, Sophia	Senior - Biology	The Affects of Grey Water on Plant Growth	3
SC-37	Carlisle High School	Guarino, Kylee Greenberg, MaryAnne	Senior - Biology	Electrolyte Challenge	3
SC-42	Carlisle High School	Junga, Katrina Bramble, Peyton	Senior - Biology	Microwave Radiation's Affect on Plant Germination and Growth	3
SC-47	Carlisle High School	Kim, Gloria Jones, Autumn	Senior - Biology	Are low fat potato chips really low fat?	3
SC-49	Carlisle High School	Lewis, Emily	Senior - Chemistry	Vitamin C Content in Organic and Inorganic Produce	3
SC-51	Carlisle High School	Loose, Zane Smyers, Nathan	Senior - Chemistry	Salty Electrolytes	3
SC-53	Carlisle High School	McMurdy, Kelly Fuller, Alexis	Senior - Behavioral	Tests While Chewing	3
SC-54	Carlisle High School	Medina, Abigail Swahlon, Sarah	Senior - Chemistry	Which Lotion Retains the Most Moisture?	3
SC-62	Carlisle High School	Slear, Hunter	Senior - Behavioral	What types of essential oils attract raccoons the best?	3
SC-70	Carlisle High School	Trang, Kelvin Gordon, Darrien	Senior - Physics	Which type of golf ball has the most air inside the core?	3
SC-73	Carlisle High School	Weigle, Ashlee Shughart, Lindsey	Senior - Physics	Energy Transfer Through a Pendulum	3
SC-02	Carlisle High School	Adams, Jeremy	Senior - Biology	Soil Ecology	HM
SC-05	Carlisle High School	August, Brooke Renninger, Rachelle	Senior - Chemistry	Proteins Denaturing: do proteins denature at the same temperture?	HM
SC-06	Carlisle High School	Avdic , Sehad	Senior - Chemistry	Which type of soil conducts electricity the best?	HM
SC-08	Carlisle High School	Begic, Abdel	Senior - Math/Computer	Tetris and The Mind	HM
SC-10	Carlisle High School	Bonsall, Zackariah	Senior - Math/Computer	Effects of heat on the performance of a computer processor	HM
SC-19	Carlisle High School	Clemmons, Daniel	Senior - Biology	Insect BioBlitz at the Dickinson College Farm	HM
SC-21	Carlisle High School	Closs, Allison Poznick, Emma	Senior - Earth Science	What is the result of warm water masses and cold water masses colliding?	HM
SC-38	Carlisle High School	haney, wyatt	Senior - Biology	the affects of music on blood pressure	HM
SC-39	Carlisle High School	Hickey, Michael Berg, CJ	Senior - Physics	Holding the Tension	HM

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SC-41	Carlisle High School	Jumper, McKayla	Senior - Behavioral	Chewing Gum and Concentration	HM
SC-44	Carlisle High School	Karacic, Christina	Senior - Behavioral	Are you the problem?	HM
SC-55	Carlisle High School	Michnowicz, Caleigh	Senior - Biology	What Preserves Plants and keeps them the Freshest?	HM
SC-63	Carlisle High School	Smith, Ozlyn	Senior - Physics	Variable Magnetic Linear Accelerator	HM
SC-09	Carlisle High School	Blacksmith, Gary Hankes, Rob	Senior - Physics	Chords and it's frequencies	P