

State Science Day - May 8, 2010

Sponsored by The Ohio Academy of Science, American Electric Power, The Ohio Environmental Education Fund, and Boehringer Ingelheim Roxane, Inc.

Hosted by
The Ohio State University

RESULTS OF JUDGING Alphabetical by school name.

Browse down to school name or use Adobe Acrobat™ search function to find school or student.

Please see this link for a roster of scholarships and sponsored awards:

<http://www.ohiosci.org/SSDSpAwdBooklet2010.pdf>

CODES:

SCH=scholarship

1-SCH=1st place scholarship

2-SCH=2nd place scholarship

3-SCH=3rd place scholarship

ALT=alternate (1st-6th identifies alternate rank)

HM=honorable mention

Harold C. Shaw Outstanding School Award for schools with a minimum of four superiors and 80% superiors if more than four students.

Ada HS, Ada

	OAS AWARD	Sponsored Awards -if any
Ms Bailey B Bowers Grade 09 Project Type: Individual <i>Project Title: Why do objects appear the color that they do?</i>	Excellent	046 1ST

	OAS AWARD	Sponsored Awards -if any
Ms Annabel L Pinkney Grade 08 Project Type: Individual <i>Project Title: Physics in dance: how the position you're holding affects your spin</i>	Superior	

All Saints, Cincinnati

	OAS AWARD	Sponsored Awards -if any
Ms Emily M Bender Grade 07 Project Type: Individual <i>Project Title: Which paper towel absorbs the most water?</i>	Excellent	

	OAS AWARD	Sponsored Awards -if any
Ms Kacie J Bradfish Grade 07 Project Type: Individual <i>Project Title: Tooth decay: Using egg shells</i>	Excellent	

	OAS AWARD	Sponsored Awards -if any
Ms Carolyn D Markley Grade 07 Project Type: Individual <i>Project Title: From take-off to landing: Testing propeller pitch</i>	Superior	

Mr Christopher J Taylor	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
<i>Project Title: How to make an aircraft invisible on radar</i>		

Ms Mollie K Young	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
<i>Project Title: Falling on deaf ears: Does age determine an ability to hear high frequency sounds?</i>		

Alliance HS, Alliance

Ms Kayla D Hood	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	
Project Type: Team		
<i>Project Title: How dam height affects power generation</i>		

Alliance HS, Alliance

Ms Emily C Zadigian	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	
Project Type: Team		
Project Title: <i>How dam height affects power generation</i>		

Alliance MS, Alliance

Ms Bethany G Cox	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>What fertilizer has the greatest effect on the growth of bean plants?</i>		

Ms Samantha D Jackson	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Will the opposite gender enhance boys' physical performance?</i>		

Anderson HS, Cincinnati

Ms Jennifer M La Count	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	
Project Type: Individual		
Project Title: <i>An investigation of enamel destruction and prevention</i>		

Ann Simpson Davis MS, Dublin

Ms Cynthia Pathmathasan	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Antibiotics versus natural substances</i>		

Archbishop Alter, Kettering

Ms Abigail N Fath	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>Bottled water: Do you know what you're drinking?</i>		

Ms Sarah M Finke	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>A test of the effects of auditory distractions on gender</i>		

Ms Katherine B Lechleiter	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>Insulation in cold temperatures</i>		

Archbishop Alter, Kettering

Mr Luke M Miller Grade 10 <i>Project Title: Propeller potential</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Bryan J Roth Grade 09 <i>Project Title: Vitamin C: Here today, gone tomorrow</i>	OAS AWARD Superior	Sponsored Awards -if any
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Ms Samantha K Schuermann Grade 10 <i>Project Title: Peppermint vs bacteria</i>	OAS AWARD Superior	Sponsored Awards -if any 036 2ND
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Ascension, Kettering

Ms Kristen M Wehner Grade 07 <i>Project Title: Bacterial growth: Moist or dry</i>	OAS AWARD Superior	Sponsored Awards -if any
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Ashland Christian, Ashland

Ms Abigail F Belsterling Grade 08 <i>Project Title: What are the effects of a student generated lesson summary on retention?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Natalie R Sabin Grade 08 <i>Project Title: How do middle school boys and girls differ in their perceptions of known stressors?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Athens HS, The Plains

Ms Lauren C Thomas Grade 09 <i>Project Title: Resemblance or rebellion: A study of parental political influence</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Athens MS, Athens

Ms Elisa V Bergmeier Grade 07 <i>Project Title: Defying gravity</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Baker MS, Fairborn

Mr Travis R Byrd OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Biomass to biogas: Which combination of biomass produces the most biogas?*

Mr Logan A Susong OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Who is faster, younger or older?*

Bath MS, Lima

Ms Abbigail M Cosart OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Team
Project Title: *Reducing the risk of blood clots in the lower leg*

Ms Jenna A Davis OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Team
Project Title: *Reducing the risk of blood clots in the lower leg*

Ms Sofia A Snyder OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Team
Project Title: *Reducing the risk of blood clots in the lower leg*

Beaumont School, Cleveland Hts

Ms Alexa E Brown OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Remediation of contaminated soil through the use of surfactants*
019 SCH 0 79 1ST 139 2nd 142 SCH

Ms Katherine A Dobscha OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *The effect of card counting on a simple card game*

Ms Anna E Grushetsky OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Asymmetric facial expressions*

Ms Madeline C Haas OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Toothpaste, triclosan, and Daphnia*
142 SCH

Beaumont School, Cleveland Hts

Ms Sarah E Hocevar OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *DNA damage: Link to environmental exposure?*

Ms Leat S Perez OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *The cool blue light - A chemiluminescent phenomenon*

Ms Allison M Siragusa OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual 023 1ST
Project Title: *Measuring and comparing the potential energy of different types of nuts*

Bellbrook MS, Bellbrook

Mr Clayton I Barr OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Does chord length affect a propeller's efficiency?*

Ms Emily C Engle OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Taming felines*

Ms Linden R Peterson OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The transmission of sound in different materials*

Ms Rachel M Petric OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *What kind of orange juice has more vitamin C?*

Mr Demetrius R Reynolds OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of temperature on an alum crystal's growth*

Ms Elizabeth B Slauenwhite OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Addicted to gravity?*

Benjamin Logan HS, Bellefontaine

Ms Kathleen M Seeley OAS AWARD Excellent Sponsored Awards -if any
019 SCH
Grade 10 Project Type: Individual
Project Title: A comparison of methods for the extraction of lipids from algae

Mr Danny C Foulk OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Team
Project Title: Do you get more from bio-diesel than diesel?

Mr Nick E Melvin OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Team
Project Title: Do you get more from bio-diesel than diesel?

Benjamin Logan MS, Bellefontaine

Mr Isaac Q Bednarki OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Hand soap vs hand sanitizer

Big Walnut HS, Sunbury

Mr Jacob N Collard OAS AWARD Superior Sponsored Awards -if any
055 2ND
Grade 11 Project Type: Individual
Project Title: A comparison of the hypothetical phonology of Voynichese in sections A and B of the Voynich manuscript

Big Walnut MS, Sunbury

Mr Kyle M Davis OAS AWARD Superior Sponsored Awards -if any
036 HM 136 HM
Grade 07 Project Type: Individual
Project Title: Bird beaking: The study of male and female cardinal beaks

Ms Erika B Kessler OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Activity and pulse rate gains in youth. Which activity provides the best workout for each gender?

Ms Shelbie L Borchers OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: Bacteriological assassins: Hand soap vs hand sanitizer

Big Walnut MS, Sunbury

Ms Catherine S Craig-Bowden OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Team Good
Project Title: Bacteriological assassins: Hand soap or hand sanitizer

Ms Sarah J Stefaniak OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Team Good
Project Title: Bacteriological assassins: Hand soap or hand sanitizer

Birchwood ES, Cleveland

Ms Dhweeja Dasarathy OAS AWARD Sponsored Awards -if any
Grade 05 Project Type: Individual Superior
Project Title: Do germinating seeds have altered protein content?

Mr Vinayak D Kurup OAS AWARD Sponsored Awards -if any
Grade 05 Project Type: Individual Superior 178 1ST
Project Title: Delay ripening and save 35% of the world's bananas from rotting

Bishop Fenwick, Zanesville

Mr Frazier N Baker OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Individual Superior
Project Title: Choice influence

Ms Anna E Boggs OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Individual Superior
Project Title: Contacts and nystagmus

Ms Taylor A Davis OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Individual Excellent
Project Title: Light bulb efficiency

Ms Madison C Dittmar OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: Calories of nuts

Mr Elizabeth C Westerheide OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Superior 134 HM
Project Title: Sunscreen

Bishop Fenwick, Zanesville

Ms Molly M Nash OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: Hyperventilation - Its effects on running endurance

Ms Jacqueline M Williams OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: Hyperventilation - Its effects on running endurance

Bishop Flaget, Chillicothe

Ms Rachel R Barlage OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: Can you identify which drink has the most sugar by its taste?

Ms Emma M Lanning OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Does refrigeration help apples stay fresh longer?

Ms Stacey M Lapurga OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: How to disinfect contaminated water

Ms Kachina EM McKnight OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: What makes yeast produce CO2?

Ms Emily A Preston OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Do you have toxic feet? How does lead get into the soil?

Mr John E Schafer OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Sweet and sticky earthquake shake

Ms Nina N Williams OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Grease monkeys

Bishop John King Mussio JS, Steubenville

Ms Ashley R Bednarek OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Which orange juice has the most vitamin C?*

Mr Jacob R Borden OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Ice melters*

Ms Maria J Boston OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Does a person have a more dominant side of the brain?*

Ms Angela M Duff OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Does pH affect seed germination?*

Ms Megan M Lloyd OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Do brand hand sanitizers work better than generic?*

Ms Katherine Moore OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Which method of drinking produces the most bacterial contamination: Straw, glass, or bottle?*

Mr Philip H Stoutz OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 032 3RD
Project Title: *What preserves apples best: Salt, honey or lemon juice?*

Ms Alexandra M Milewsky OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Do homemade pH strips work as accurately as store bought pH strips?*

Ms Hemali A Shah OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Do homemade pH strips work as accurately as store bought pH strips?*

Bishop Leibold E & W Campus, Dayton

Mr Lane A Breyer OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How fat in foods affect diabetic blood sugars*

Mr Matthew T Chrabascz OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Relentless rust*

Mr Douglas L Frankart OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Osmosis and diffusion in animal cells*

Mr Adam T Hare OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Project mercury 2010*

Ms Melissa M Mahan OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *It's all in your head: A study on the power of suggestion*

Ms Emma M Thorson OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *What keeps cookies firm longer?*

Ms Rachel M Woeste OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Can poster paint be made water resistant?*

Blanchester HS, Blanchester

Ms Ali A Whitt OAS AWARD Good Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *Sky glow*

Mr Garret L Bergen OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *The optical properties of gold nanoparticles*

Blanchester HS, Blanchester

Ms Kirsten A Coleman OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: Gold nanoparticles as biosensors

Ms Ciara R Deaton OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: Gold nanoparticles as biosensors

Mr Ben F Grant OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: The optical properties of gold nanoparticles

Bloom Carroll HS, Carroll

Mr Clay P Adams OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual 028 2ND
Project Title: Color & temperature perception

Ms Caitlyn A Black OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: What water works? A quest to find the perfect water

Ms Kaci L Boyd OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: Does peppermint affect reaction time?

Mr Willis E Fugitt OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: The intelligence of dogs

Ms Meghan S Gates OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: The Stroop effect: How warping words changes time it takes one to complete Stroop effect tests!

Mr Benjamin J Hedges OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 171 1ST 187 1ST
Project Title: A comparative analysis of mold growth inhibitors

Bloom Carroll HS, Carroll

Mr Allison M Hoyt Grade 11 <i>Project Title: How heart rate is affected by different swimming strokes</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Kennedy J Jackson Grade 09 <i>Project Title: Which cleaner kills the most household bacteria?</i>	OAS AWARD Good	Sponsored Awards -if any
Ms Caitlyn A Loeffler Grade 11 <i>Project Title: What passive solar design and green building material create the most energy efficient house?</i>	OAS AWARD Excellent	Sponsored Awards -if any 080 HM
Ms Sarah H McCracken Grade 10 <i>Project Title: How different grades of milk affect the taste of ice cream</i>	OAS AWARD Excellent	Sponsored Awards -if any 034 3RD
Mr William Gerret McWhorter Grade 12 <i>Project Title: Can fuel additives increase fuel efficiency?</i>	OAS AWARD Superior	Sponsored Awards -if any 059 1ST 139 3RD 187 1ST
Mr Zachary A Phillips Grade 11 <i>Project Title: Testing the ultimat attribution error with various stereotypes</i>	OAS AWARD Superior	Sponsored Awards -if any 023 1ST 028 2ND
Ms Megan E Robinson Grade 09 <i>Project Title: How does the pH level of the soil affect the growth of Wisconsin's fast plants?</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Kyle R Rybicki Grade 10 <i>Project Title: When sodium bicarbonate is added to latex paint, will it work as a flame retardant?</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Christian M Starr Grade 09 <i>Project Title: Which material is the most effective glacier wrap?</i>	OAS AWARD Excellent	Sponsored Awards -if any 070 HM

Bloom Carroll HS, Carroll

Ms Marissa R Bussard OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Good
Project Title: Which household cleaner is the most powerful?

Ms Alexandra A Rice OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Good
Project Title: Which household cleaner is the most powerful?

Bloom Carroll MS, Carroll

Mr Brenton N Hedges OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Individual Superior
Project Title: Does temperature impact mold growth?

Ms Emily A James OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Individual Excellent
Project Title: Does taking a step back really help your brain to process a Stroop effect test faster than standing close?

Ms Maggie K Loeffler OAS AWARD Sponsored Awards -if any
Grade 08 Project Type: Individual Superior 058 1ST 106 1ST
Project Title: How do various metals affect the performance of springs?

Mr Grant D Michael OAS AWARD Sponsored Awards -if any
Grade 06 Project Type: Individual Superior
Project Title: Temperature effects on soybean sprouting

Ms Abigail E Rice OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Superior
Project Title: How do afterimages affect your vision

Ms Erin E Sanderson OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: Does it pay to pay more?

Mr Alexander H Sawchuk OAS AWARD Sponsored Awards -if any
Grade 06 Project Type: Individual Excellent
Project Title: How is hydraulic power affected by the liquids viscosity?

Bloom Carroll MS, Carroll

Ms Megan N Thomas	OAS AWARD	Sponsored Awards -if any
Grade 07	Good	
Project Type: Individual		
Project Title: <i>Are expensive arrows really worth it?</i>		

Bluffton MS, Bluffton

Ms Courtney J Barnett	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Which reaction time is faster sight or sound?</i>		

Mr Jonah M Bourassa	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Do football gloves help a receiver catch the ball?</i>		

Mr Joshua S Bracy	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Will a dimpled surface affect the aerodynamic features of an object and create less drag?</i>		

Mr Landon M Cluts	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Scaling it up trebuchet style</i>		

Mr Andrew J Hoff	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Contact points and accuracy</i>		

Ms Audrey L Marshall	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Are other blade factors critical?</i>		

Ms Celeste M Stauber	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Reducing pet fur on fabrics</i>		

Ms Jill K Steinmetz	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Does training increase lung capacity?</i>		

Bowling Green Christian Academy, Bowling Green

Mr John-Wesley Winters	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>What water helps plants grow the fastest?</i>		

Bowling Green HS, Bowling Green

Ms Whitney L Bolin	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	019 SCH 023 1ST
Project Type: Individual		
Project Title: <i>Does the amount of skyglow in Bowling Green, Ohio affect crime rates?</i>		

Ms Amy M Johnson	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	019 SCH 086 2ND 091 1ST
Project Type: Individual		
Project Title: <i>The ability of bacteria to utilize the phosphonate compounds PBTC and HEDP as a source of phosphorus</i>		

Ms Nicole M Szparagowski	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>What if a roof could change colors? The effects of color on heat grain of a roof</i>		

Mr Nathaniel B Wilhelm	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	087 3RD
Project Type: Individual		
Project Title: <i>The effects of manure applications to farm fields on E. coli bacteria levels found in adjacent drainage ditches</i>		

Brookville HS, Brookville

Ms Ashley M Swink	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
Project Title: <i>Go gray racers: A statistical study of equine color genetics and their effect on thoroughbred racing ability</i>		

Mr Bret D Turner	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
Project Title: <i>Biodiesel: Fuel of the future</i>		

Ms Amalee E Webb	OAS AWARD	Sponsored Awards -if any
Grade 12	Superior	019 SCH 028 1ST 036 HM
Project Type: Individual		
Project Title: <i>What are mice more attracted to: food or sex?</i>		

Brookville Intermediate ES, Brookville

Mr Chaz T Van Cleve OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How clean is your fruit?*

Buckeye Valley Local MS, Delaware

Harold C. Shaw Outstanding School Award

Mr James M Brittsan OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Determination of water quality using coliform bacteria, nitrogen and macroinvertebrates near a sewage treatment plant*

Ms Tracey A Culley OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The efficacy of various food preservation techniques to maintain the attributes of fresh green beans*

Mr Noah P Eblin OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *iPod hearing loss*

Mr Giancarlo Gonzalez OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Can caffeine affect your memory?*

Ms Kristina L Green OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Best tooth whitening*

Ms Ileana E Parish OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Dog smarts: What's going on beneath those puppy dog eyes*

Ms Megan C Russell OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Web stiffeners: The effects of web stiffeners on the load capacity of a bridge*
053 1ST 061 1ST 067 2ND

Buckeye Valley Local MS, Delaware

Harold C. Shaw Outstanding School Award

Mr Gardon C Wycoff	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>A study of how the length of a rod affects its vibrating frequency</i>		

Canfield Village MS, Canfield

Mr Stephen E Gant	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>The effects of leading ocean pollutants on Vibrio fischeri's peak luminescence</i>		

Canton Country Day, Canton

Mr Zachary M Esber	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>Can you hear me now?</i>		

Mr Jad N Hamdan	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Watered down</i>		

Ms Gabriela F Jocas	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Going against the grain? What tastes good vs what is good</i>		

Carroll HS, Dayton

Mr Billy Barbaro	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	212 HM
Project Type: Individual		
Project Title: <i>Scene timer</i>		

Ms Maria C Bete	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	032 3RD
Project Type: Individual		
Project Title: <i>The humidity variation in produce crispers</i>		

Mr Ryan W.D. Blanford	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	059 2ND 080 2ND
Project Type: Individual		
Project Title: <i>Harvesting the wind: A three year study</i>		

Carroll HS, Dayton

Mr William R Hauber
Grade 09 Project Type: Individual
Project Title: Comparison of biodiesel made using KOH and NaOH

OAS AWARD
Superior

Sponsored Awards -if any
108 HM 134 3RD

Mr Brenton R Jennewine
Grade 10 Project Type: Individual
Project Title: UV effects on transformation

OAS AWARD
Superior

Sponsored Awards -if any
041 2ND 142 SCH

Mr Aidan E McCormick
Grade 12 Project Type: Individual
Project Title: The effectiveness of economically viable sources of heating and cooling

OAS AWARD
Superior

Sponsored Awards -if any

Ms Aileen K McCormick
Grade 09 Project Type: Individual
Project Title: Light transmittance and turbidity

OAS AWARD
Good

Sponsored Awards -if any
209 1ST

Mr Evan R McCormick
Grade 09 Project Type: Individual
Project Title: Math and music: How are they related?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Colleen M Moloney
Grade 10 Project Type: Individual
Project Title: Ability of fabrics to capture bacteria

OAS AWARD
Superior

Sponsored Awards -if any
033 1SCH 142 SCH

Ms Nichole R Provonsil
Grade 10 Project Type: Individual
Project Title: Do your plants really thrive with the sound of music?

OAS AWARD
Good

Sponsored Awards -if any
019 SCH 032 2ND

Ms Alexandra L Sniezek
Grade 09 Project Type: Individual
Project Title: Simulating the force on the patellar tendon

OAS AWARD
Superior

Sponsored Awards -if any
145 3RD

Mr Mark E Thurman
Grade 11 Project Type: Individual
Project Title: Solar solutions: Building a homemade solar panel

OAS AWARD
Excellent

Sponsored Awards -if any

Carroll HS, Dayton

Ms Emily A Wells	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	142 SCH
Project Type: Individual		
Project Title: <i>What is the corrosion mechanism of aluminum in various aqueous solutions?</i>		

Catholic Central, Steubenville

Ms Rebecca K McGrail	OAS AWARD	Sponsored Awards -if any
Grade 12	Superior	075 HM 187 1ST 208 1ST
Project Type: Individual		
Project Title: <i>Critical factors of wetland remediation of acid mine drainage</i>		

Catholic Central ES Lagonda, Springfield

Ms Elizabeth L Garrity	OAS AWARD	Sponsored Awards -if any
Grade 05	Good	
Project Type: Individual		
Project Title: <i>Mummification of hotdog</i>		

Mr Wade A Patterson	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>Binocular vision: Does the lack of binocular vision affect one's ability to pass a sobriety test?</i>		

Catholic Central ES Limestone, Springfield

Mr Kyle M Foley	OAS AWARD	Sponsored Awards -if any
Grade 05	Superior	
Project Type: Individual		
Project Title: <i>Grip it and rip it: How the loft of a golf club affects the distance of a golf ball</i>		

Mr James R Kavanaugh	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>Popcorn pop: The effect of temperature on the output of popcorn</i>		

Mr John F Kelly	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Batteries: To freeze or not to freeze?</i>		

Catholic Central JS/HS, Springfield

Mr Grant R Osborn	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Rocket Design: How does fin placement affect flight path?</i>		

Centerville HS, Centerville

Mr Rajiv B Karani Grade 10 <i>Project Title: Rinne's test modified to quantify hearing</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Ansh K Khare Grade 11 <i>Project Title: Rinne's test modified to quantify hearing</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Central Catholic, Toledo

Ms Mary B Carrigan Grade 09 <i>Project Title: Does changing the sample size affect the validity and reliability of a previous experiment exposing unsafe amounts of lead in lip gloss?</i>	OAS AWARD Superior	Sponsored Awards -if any 209 1st
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Ms Sarah R Hunter Grade 09 <i>Project Title: Diabetic dilemma: testing the amount of glucose in fruits</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Thomas F Troy Grade 09 <i>Project Title: What material best reduces a sound wave's decibels level?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Central ES, Coshocton

Mr Conner W Roahrig Grade 06 <i>Project Title: Target practice</i>	OAS AWARD Superior	Sponsored Awards -if any
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Chaminade Julianne, Dayton

Ms Kateri M Dillon Grade 10 <i>Project Title: Investigation of the Great Miami River and its tributaries</i>	OAS AWARD Excellent	Sponsored Awards -if any 090 2ND
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Ms Annemarie R Krug Grade 09 <i>Project Title: Egg substitutes in cake</i>	OAS AWARD Excellent	Sponsored Awards -if any 209 1ST
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Chaney HS, Youngstown

Ms Kyla M Geisel OAS AWARD Superior Sponsored Awards -if any
142 SCH
Grade 09 Project Type: Individual
Project Title: *Eye tricks optical illusions seeing is believing - or is it?*

Chesapeake HS, Chesapeake

Mr Christopher A Dehner OAS AWARD Excellent Sponsored Awards -if any
209 1ST
Grade 09 Project Type: Individual
Project Title: *Which metals oxidize more rapidly?*

Ms Lindsey M Hawthorne OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *The effects of manufactured vs natural antibacterial agents on various bacteria - Year 2*

Ms Anna K Mayo OAS AWARD Superior Sponsored Awards -if any
058 3RD 1 06 3RD 108 1ST 209 1ST
142 SCH
Grade 09 Project Type: Individual
Project Title: *Which standard viscosity level yields optimal lubricity?*

Ms Sarah K Mayo OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Satellites: Available or blocked?*

Chesapeake MS, Chesapeake

Mr Blake M Ashworth OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: *Which lightbulb provides the best illumination?*

Ms Robin Frye OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: *Which lightbulb provides the best illumination?*

Clay HS, Portsmouth

Ms Katherine E Bauer OAS AWARD Excellent Sponsored Awards -if any
079 HM
Grade 11 Project Type: Individual
Project Title: *Last Pleistocene horse in North America*

Colonial Hills ES, Worthington

Mr Jacob C DeRodes	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>A comparison of wind turbines at different wind speeds</i>		

Columbia HS, Columbia Station

Ms Ashlee M Cordell	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>Do I want to be like you?</i>		

Columbia MS, Columbia Station

Ms Alexandria M Miller	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Will the number of blades and/or blade material affect the output power of a wind turbine?</i>		

Ms Cassandra R Coleman-Kahn	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Team		
Project Title: <i>How does a store employee react to different types of people?</i>		

Ms Amy J Mirecki	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Team		
Project Title: <i>How does a store employee react to different types of people?</i>		

Columbian HS, Tiffin

Mr Andrew E Hoover	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	171 1ST 206 1ST 142 SCH
Project Type: Individual		
Project Title: <i>Hurricane intensity and sea surface temperatures</i>		

Mr Logan C Smith	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
Project Title: <i>Fuel cells for the future</i>		

Ms Stephanie D Creeger	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	
Project Type: Team		
Project Title: <i>The effect of music on memory</i>		

Columbian HS, Tiffin

Ms Kayla M McClintock	OAS AWARD	Sponsored Awards -if any
Grade 11 Project Type: Team	Excellent	
<i>Project Title: The effect of music on memory</i>		

Columbus Academy, Gahanna

Mr Nicholas K Grewal	OAS AWARD	Sponsored Awards -if any
Grade 09 Project Type: Individual	Excellent	028 1ST
<i>Project Title: Caffeine tolerance: Demonstration in Daphnia magna</i>		

Continental Local MS, Continental

Ms Kylee N Bates	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	
<i>Project Title: Going ripe for bananas</i>		

Ms Zoe A Tracy	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	
<i>Project Title: Brain nutrition</i>		

Mr Caleb C Baker	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Team	Superior	
<i>Project Title: Water quality in the Auglaize River</i>		

Mr Ross J Etter	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Team	Superior	
<i>Project Title: Water quality in the Auglaize River</i>		

Coshocton HS, Coshocton

Mr Cameron M Wiandt	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	
<i>Project Title: Herb vs bacteria: Who will win?</i>		

Ms Madeline L Hire	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Team	Superior	
<i>Project Title: Right or left: Which paw do canines and felines prefer to use?</i>		

Coshocton HS, Coshocton

Ms Katie E Tupper OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Right or left: Which paw do canines and felines prefer to use*

David H Ponitz Career Technology Center, Dayton

Mr Atlantis Drake OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 086 1ST
Project Title: *Lead nitrate (Pb NO₃)₂ toxicity effects on Daphnia magna*

Dayton Christian School, Miamisburg

Ms Shannon M Bidwell OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual 209 1ST
Project Title: *Brain activation and mapping with FMRI*

Ms Abigail I Booher OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 028 1ST
Project Title: *Shapes and sounds: Related or not?*

Ms Olivia R Booher OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Minimizing residue on contact lenses*

Ms Hannah R Combs OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Can this you remember? Sentence inversion and information retention*

Mr Roman X Fleetwood OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Stabilizing a vessel through keel design*

Mr Michael A Gord OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 210 1ST
Project Title: *Millimeter-wave and terahertz radiation for standoff chemical sensing and threat detection: Phase IV*

Mr Kevin D Henkel OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual 142 SCH
Project Title: *The science of a slick bottom*

Dayton Christian School, Miamisburg

Mr Vincent R Kurtz OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual 108 HM 139 HM
Project Title: Which animal manure produces the most usable methane gas?

Mr Sean C Maynor OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: Color Effects

Ms Taylor A Rodenfels OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual 019 SCH 080 HM 087 1ST
Project Title: Aerobic vs anaerobic landfills

Ms Carissa L Wilson OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: Which natural biodegradable plastic has the optimum rate of degradation?

Dayton Islamic School, Beavercreek

Ms Hiba Ahmad OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Cabbage cocktails

Mr Camaren M Clarke OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: Exploring the principles of bouyancy and density

Mr Hassan U Haq OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual 072 2ND
Project Title: Does the size and shape of an ice cube affect its melting?

Discovery School ES, Mansfield

Mr Ian T Brown OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Rocket recovery: Can you predict the recovery site of an amateur rocket with and without a parachute?

Ms Alexia A Kemerling OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: Coca Cola wives tales

Discovery School ES, Mansfield

Mr Clayton C Richardson	OAS AWARD	Sponsored Awards -if any
Grade 07	Good	
Project Type: Individual		
Project Title: <i>What substance melts ice the fastest?</i>		

Dominion Academy of Dayton, Dayton

Mr Michael S Evanhoe	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	139 HM
Project Type: Individual		
Project Title: <i>Whispering Gases</i>		

Mr Noah D Tatum	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>Can you take the heat?</i>		

Dominion MS, Columbus

Ms Sarah L Bocook	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Does one bad apple spoil the whole bunch? An experiment on the hormone ethylene</i>		

Ms Meaghan A Kelley	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	085 2ND
Project Type: Individual		
Project Title: <i>Blood splatter</i>		

Ms Elli L Schwartz	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>The effect of exercise on resting, maximum and recovery heart rate</i>		

Ms Eliza S Steffen	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Comparing the effects of used and unused motor oil on plants</i>		

Mr Chase T Tinker	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Comparing organic and non-organic batteries</i>		

Mr Andersen R Weaver	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>Background noise</i>		

Dominion MS, Columbus

Mr Henry A Williams	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Up! What makes bouncy balls bounce?</i>		

Mr Norman P Williams	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Pillbug elements</i>		

Dublin Coffman HS, Dublin

Mr Saaket M Pradhan	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	041 2ND
Project Type: Individual		
Project Title: <i>Be positive: Mechanism for bacterial survival using mPRF</i>		

Mr Himanshu D Savardekar	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	142 SCH
Project Type: Individual		
Project Title: <i>Vaccination of mice lacking CD4+ T cells with an adenovirus vector results in impaired humoral and cellular immune responses - implications for HIV/AIDS patients</i>		

Dublin Scioto HS, Dublin

Ms Rathisha Pathmathasan	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>The cool blue light of luminol</i>		

East Canton HS, E Canton

Ms Tricia N Davis	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	
Project Type: Individual		
Project Title: <i>Multiplication of bacterial populations on the surface of library books</i>		

Mr John A Miller	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>How tenor saxophone tuning is affected by temperature</i>		

East Richland Christian School, St Clairsville

Ms Kathryn M Albert	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>Peppermint and the brain</i>		

East Richland Christian School, St Clairsville

Mr Trent L Ciechomski OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Paintball barrels: Long vs short*

Ms Alyssa G Crowley OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Green cricket repellants*

Mr Juan D Dunlap OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Japanese knotweed: An alternative biofuel*

Ms Micaela S Rockwell OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Get smart with apples*
031 3RD 0 75 HM 155 SCH 187 1ST

Ms Ashley M Sarko OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Memory*

Eastern JS, Sardinia

Mr Billy D Grayless OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Worms: How does the type of food they are given relate to their growth and fatality rate?*

Edon HS, Edon

Ms Sabrina R Brown OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Is magnet strength affected by temperature?*

Ms Rebecca D Fisk OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Candy confusion: Can small children mistake medicine for candy?*
148 2ND

Ms Meredith P LaDuke OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Do video game players have faster reaction times than non-players?*

Ellet HS, Akron

Ms Vanesa G Suich Grade 12 Project Type: Team <i>Project Title: Music is society's passion</i>	OAS AWARD Good	Sponsored Awards -if any
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Ms Brandy L Trennell Grade 12 Project Type: Team <i>Project Title: Music is society's passion</i>	OAS AWARD Good	Sponsored Awards -if any 011 2ALT
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Emmanuel Christian Academy, Springfield

Ms Ashley R Olson Grade 08 Project Type: Individual <i>Project Title: Replay: Do you remember?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Everts MS, Circleville

Ms Aspen N Dowden Grade 08 Project Type: Individual <i>Project Title: What frozen beverage melts the fastest: apple juice, skim milk, water or Pepsi?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Zoey A Knece Grade 07 Project Type: Individual <i>Project Title: Is your daily routine killing you?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Mr Jonathan M Snow Grade 07 Project Type: Individual <i>Project Title: Road deicers: Can salt be beat?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Ms Katharine G Stevens Grade 07 Project Type: Individual <i>Project Title: The "Pop's" secret: Which brand of popcorn pops the most kernels - organic vs non-organic?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Taylor M Turner Grade 08 Project Type: Individual <i>Project Title: Does previous exposure to smell affect taste identification?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Everts MS, Circleville

Ms Rebekah A Branham	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Team		
Project Title: <i>How does moisture affect the growth of bread mold?</i>		

Ms Emily C Burns	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Team		
Project Title: <i>Can plants tolerate grey water?</i>		

Ms Sarah E Ruff	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Team		
Project Title: <i>How does moisture affect the growth of bread mold?</i>		

Ms Megan L Thomas	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Team		
Project Title: <i>Can plants tolerate grey water?</i>		

Fairbanks MS, Milford Center

Ms Amanda M Dellinger	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Does soil type affect absorption of heat and water evaporation?</i>		

Ms Marcella R Smith	OAS AWARD	Sponsored Awards -if any
Grade 07	Good	
Project Type: Individual		
Project Title: <i>Does age have any effect on the Stroop test?</i>		

Fairborn HS, Fairborn

Mr Stephen C Buckey	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	209 1ST
Project Type: Individual		
Project Title: <i>Space insulation</i>		

Faircrest Memorial MS, Canton

Ms Gabrielle M Fatzinger	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>How much money do fluorescent light bulbs and LEDs save compared to incandescent light bulbs?</i>		

Faircrest Memorial MS, Canton

Ms Savanna J Forshey OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *How does color affect light penetration?*

Ms Tessa M Hollinger OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *A greener way to garden*

Fairfield Christian Academy, Lancaster

Ms Lydia A Compton OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *The effect of airsoft pellet weight on airsoft pellet velocity*

Ms Rachelle L Crisan OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Will the slope of the ramp affect the distance of the car?*

Mr Samuel H Herdman OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *How clean are your hands?*

Mr Bryce P Long OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Do liquids harm teeth?*

Ms Cassie J Shugert OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Strength: Which builds more?*

Mr Ben M Tobin OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Secondary influences on paintball distance*

Fairfield Local MS, Leesburg

Mr Blake A Hildebrant OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Safety of well water*

Fairland HS, Proctorville

Ms K Cheyenne C Bane Grade 10 Project Type: Individual <i>Project Title: Public vs private: The germ wars</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Ian T Beaty Grade 10 Project Type: Individual <i>Project Title: Light effects on goldfish</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Jonathan M Brewster Grade 11 Project Type: Individual <i>Project Title: Just how closely are ESP and probability related?</i>	OAS AWARD Superior	Sponsored Awards -if any 010 SCH
Mr Dalton J Froehlich Grade 12 Project Type: Individual <i>Project Title: Cell phone distraction</i>	OAS AWARD Excellent	Sponsored Awards -if any 028 2ND 175 HM
Mr Joshua E Goodman Grade 10 Project Type: Individual <i>Project Title: Why different types of glass insulate better than others</i>	OAS AWARD Good	Sponsored Awards -if any
Mr Robert G Hinshaw Grade 11 Project Type: Individual <i>Project Title: Water quality: The effect of flow rates</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Tanner M Schenewark Grade 11 Project Type: Individual <i>Project Title: A study of the magnitude of kinetic friction created between sandpaper and wood</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Shefali S Shah Grade 10 Project Type: Individual <i>Project Title: Cancer: The effects of resveratrol on TCP-1 cell</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Kyle W Taubenheim Grade 12 Project Type: Individual <i>Project Title: Acetone and fuel economy</i>	OAS AWARD Excellent	Sponsored Awards -if any

Fairland HS, Proctorville

Ms Julia Wu Grade 09 <i>Project Title: Duchenne smiles vs non-duchenne smiles</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Fairland MS, Proctorville

Mr Rushi S Shah Grade 06 <i>Project Title: Identifying unknown chemicals in pyrotechnics</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ferguson MS, Beavercreek

Mr Karthik B Chakravarthy Grade 07 <i>Project Title: Pressure test in minutes; A healthy heart for a lifetime</i>	OAS AWARD Excellent	Sponsored Awards -if any 038 2ND 145 1ST 148 1ST
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Ms Hafsa M Hussain Grade 07 <i>Project Title: Caffeine and typing</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Nichole J Wescott Grade 08 <i>Project Title: The next geothermal energy</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Firestone HS, Akron

Ms Dioswal P Johnson Grade 12 <i>Project Title: The effects of voltage and solution concentration on fiber size and fiber size distribution of electrospun</i>	OAS AWARD Superior	Sponsored Awards -if any 011 1ALT
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Mr Joe Chadbourne Grade 09 <i>Project Title: The Mozart Effect</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Patrick D Schultz Grade 09 <i>Project Title: The Mozart Effect</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Fort Jennings HS, Fort Jennings

Ms Kristen R Maag OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Stroop effect: with a twist*

Ms Andrea R Ricker OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What brand of toothpaste whitens teeth the best?*

Mr Seth R Ricker OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual 050 HM
Project Title: *Does the porcine circovirus vaccine affect pig performance?*

Ms Jamie L Saum OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Is it really cooler using a Coolie Cup?*

Frank B Willis Intermediate MS, Delaware

Mr Maxwell J Bovard OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Rocket missions: Where should your cargo go?*

Ms Shannon E Cooney OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual 079 HM
Project Title: *Acid effects on soil pH*

Ms Grace N Floring OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Dyeing to know: How fabrics react to pigments*

Geneva HS, Geneva

Ms Jessica N Coggins OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Individual 134 1ST
Project Title: *The efficiency of catalase in various animal tissues*

Mr Adam S Gruber OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual 080 3RD 209 1ST
Project Title: *Which paper towels work the best?*

Geneva HS, Geneva

Mr Brandon M Privitera
Grade 11 Project Type: Individual
Project Title: Octane showdown

OAS AWARD
Excellent

Sponsored Awards -if any
139 HM 155 SCH 205 1SCH

Mr Garrhett G Via
Grade 11 Project Type: Individual
Project Title: The perpetual car

OAS AWARD
Superior

Sponsored Awards -if any

Geneva JS, Geneva

Ms Annelise N Baker
Grade 07 Project Type: Individual
Project Title: Auditory Imagery: How memory affects musical perception

OAS AWARD
Superior

Sponsored Awards -if any

Mr Jacob M Burgett
Grade 08 Project Type: Individual
Project Title: Are childproof containers actually childproof?

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Taryn M Doherty
Grade 07 Project Type: Individual
Project Title: Wind works

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jason A Downie
Grade 07 Project Type: Individual
Project Title: Air & you

OAS AWARD
Superior

Sponsored Awards -if any

Ms Martina L Drugovich
Grade 08 Project Type: Individual
Project Title: Arsenic in our schools

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Tyler B Hunt
Grade 08 Project Type: Individual
Project Title: Dissolved oxygen levels in Cowles creek

OAS AWARD
Good

Sponsored Awards -if any

Mr Brent A McFarland
Grade 07 Project Type: Individual
Project Title: Which deicer (rock salt or calcium chloride) will first cause damage to the metals - mild steel, copper & brass?

OAS AWARD
Superior

Sponsored Awards -if any

Geneva JS, Geneva

Ms Danielle M Nicholson OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The perfect golf ball*

Ms Katie M Peck OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Helping the environment - one plate at a time*

Mr Jacob A Piotrowski OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Electric fruit*

Ms Mary A Wessell OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How effective are dandelions against bacteria?*

Ms Abigail L Williams OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The Stroop effect: Boys vs girls*

Genoa Christian Academy, Westerville

Ms Sydney M Manny OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 087 2ND
Project Title: *Do soy wax candles really burn slower and cleaner than paraffin wax candles (and the implications on air*

Georgetown ES, Georgetown

Mr Bayley R Johnson OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Which stain remover works best?*

Ms Kelsey A Miller OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Does color affect your memory?*

Georgetown Jr/Sr HS, Georgetown

Mr Ian E Cowdrey OAS AWARD Excellent Sponsored Awards -if any
175 HM
Grade 11 Project Type: Individual
Project Title: Efficiency of fragile payload protection in model rockets

Ms Morgan R Cowdrey OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Reducing rocket recovery decent rate: Streamers vs parasheets

Ms Megan E Williams OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Trash 2 gas? Biomass

Gesu, Toledo

Mr Drew M Howard OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: The effects of frequently watering plants

Ms Torey A Loeb OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: The growth effect of soap on plants

Glandorf ES, Glandorf

Mr Derek L Ebbeskotte OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: What is the effect of a match head on a pepper plants pepper production and its height?

Ms Stephanie M Hempfling OAS AWARD Excellent Sponsored Awards -if any
036 HM
Grade 08 Project Type: Individual
Project Title: What is the effect of sunlight on plant biodiversity of the interior and exterior plants of the woods?

Ms Jenny V Meyer OAS AWARD Excellent Sponsored Awards -if any
030 4TH 051 2ND
Grade 08 Project Type: Individual
Project Title: How do varied materials affect zebra mussel growth rate?

Ms Liz R Wagner OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: Hair strength

Glenwood MS, Canton

Ms Ericka L Erickson OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Bursting your bubble*

Mr Cody J Givens OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Traction of an RC car on many surfaces*

Mr Nick J Golina OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Investigation of pH tendency in soil*

Ms Anna M Grunder OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Surface tension*

Ms Karin Jorgensen OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 210 2ND
Project Title: *Vibrational frequency of springs*

Ms Mya N Risher OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Do string players have longer left fingers than non-string players?*

Guardian Angels, Cincinnati

Ms Madeline P Mackey OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Candy chromatography*

Hamersville ES, Hamersville

Mr Blake D Ogden OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Recycling greywater: Can it be used for seed germination and plant growth?*

Hamersville ES, Hamersville

Ms Ashley M Prine OAS AWARD Superior Sponsored Awards -if any
072 1ST
Grade 06 Project Type: Individual
Project Title: *Living downstream: A study of methods to clean drinking water*

Mr Josh A Prine OAS AWARD Superior Sponsored Awards -if any
018 1ST 032 1ST 108 HM
Grade 08 Project Type: Individual
Project Title: *Finding alternative fuels: A study of biofuels and emissions*

Harrison Street ES, Sunbury

Mr Nick Dimitroff OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Seeing 3D: Boys vs girls*

Ms Clarisse M Mexicott OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Photos and light: Experiments with a pinhole camera*

Ms Abigail L Myers OAS AWARD Superior Sponsored Awards -if any
108 HM 139 2nd
Grade 05 Project Type: Individual
Project Title: *Ignition of three fuels*

Harvest Preparatory School, Canal Winchester

Mr Hunter F Pharis OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Absorbency of paper towels*

Hastings MS, Upper Arlington

Mr Advait A Deshmukh OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Are green detergents actually environmentally friendly?*

Hathaway Brown, Shaker Hts

Ms Rajashree Hariprasad OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Comparison of electricity production between topsoil and organic waste, over a time period, using microbial fuel cells*

Hathaway Brown, Shaker Hts

Ms Ariana Iranpour OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Comparison of electricity levels: turbine*

Henry Karrer MS, Dublin

Mr Rohan Mital OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Expert systems replacing human experts: Real or fantasy*

Harold C. Shaw Outstanding School Award

Mr Vamsi Mohan Pandari OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Efficient wind turbine*

Mr Kanaad V Parvate OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Quadratic battle of the languages*
212 3RD

Ms Anisha Babu OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: *Think before you drink!*

Ms Aishwarya Murali OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: *Think before you drink!*

Heritage MS, Westerville

Mr Andrew M Malick OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *When did my bread turn green?*

Herman K Ankeney MS, Beavercreek

Mr Vignasiddh Erukonda OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Cool magnetism*

Herman K Ankeney MS, Beavercreek

Ms Lauren R Martin	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Yeast and temperature</i>		

Hicksville HS, Hicksville

Ms Bethany M Bontrager	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	193 SCH 142 SCH
Project Type: Individual		
Project Title: <i>What's in your milk? Is raw milk harmful?</i>		

Mr Jason T Green	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>Creating a stronger truss</i>		

Ms Kiersten R Payne	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	142 SCH
Project Type: Individual		
Project Title: <i>Wind energy and angle of attack</i>		

Hilltop HS, West Unity

Mr Neil A Baker	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
Project Title: <i>Inhibitory effects of household cleaners on Escherichia coli</i>		

Ms Paige C Briskey	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	023 1ST
Project Type: Individual		
Project Title: <i>Does a certain type of candy affect test scores?</i>		

Mr Travis S Burwell	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	
Project Type: Individual		
Project Title: <i>The relationship between exercise and test performance: Does exercise improve test performance?</i>		

Ms Kacee C Cole	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	155 SCH
Project Type: Individual		
Project Title: <i>Do audio subliminal messages affect a person's decisions?</i>		

Ms Rachel J King	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
Project Title: <i>The correlation between angle of a knee bend and the amount of stress put on the knee</i>		

Hilltop HS, West Unity

Mr Traven W Towns OAS AWARD Excellent Sponsored Awards -if any
072 HM
Grade 12 Project Type: Individual
Project Title: *The effect of treated and non-treated water on Daphnia*

Ms Justine R Lovejoy OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *How does massage affect blood pressure, heart rate and muscle tension?*

Ms Caitlin R Moore OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *How does massage affect blood pressure, heart rate and muscle tension?*

Holy Spirit, Columbus

Ms Miranda L Golden OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Gibberellic acid: Will it produce taller plants?*

Ms McKenna M Welsh OAS AWARD Superior Sponsored Awards -if any
139 HM
Grade 07 Project Type: Individual
Project Title: *Which plant will produce the most alternative renewable energy?*

Holy Trinity, Somerset

Mr Heath J Altier OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *How does tire pressure affect rolling resistance?*

Ms Cloe M Cooperrider OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does caffeine affect typing?*

Mr Nathaniel J Kehn OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Children under the influence: The effects of advertisement*

Home Schooled,

Ms Zoe P Buccella OAS AWARD Superior Sponsored Awards -if any
051 1ST 070 HM 136 HM
Grade 09 Project Type: Individual
Project Title: *Meteorological conditions: Do they affect Cardinal feeding behavior?*

Mr William K Coors OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Chemically manipulating the potential of an electrolytic cell*

Ms Cherylyn M Geers OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Force vs velocity in swimming*

Mr Michael J Menart OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Wind turbine blade angle study*

Hopewell JS, West Chester

Ms Abbie Clasgens OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Insulation sensation: which cup is the best insulator?*

Ms Celine M McNally OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Insulation sensation: which cup is the best insulator?*

Horizon Science Academy, Columbus

Ms Deja Reid OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *You've got permission to be a backseat driver!*

Hubbard HS, Hubbard

Ms Tabitha A DiBacco OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Unseen danger*

Hubbard HS, Hubbard

Mr Neal E Brant OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *Running a car off vegetable oil*

Ms Marquette R Gasser OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Does temperature affect the growth of the pupae and the size of the emerging butterfly?*

Ms Casey L Manion OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Does temperature affect the growth of the pupae and the size of the emerging butterfly?*

Mr William T Reese OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *Running a car off vegetable oil*

Hudson HS, Hudson

Ms Anisha S Basu OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Of mice and music: The effects of music on the brain*

Mr William W Jack OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Effects of an outer grid on an inertial electrostatic confinement nuclear fusion reactor*

Ms Anne E Kim OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *The application of selenium to generate salubrious effects on cancer patients*

Mr Patrick T Murphy OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *The application of selenium to generate salubrious effects on cancer patients*

Ms Jennifer R Shanks OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *The application of selenium to generate salubrious effects on cancer patients*

Hudson MS, Hudson

Ms Iulia Barbur OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The blue light of luminol: Why and how bright?*

Mr Christopher P Johnstone OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 055 1ST
Project Title: *Remote IR control of a SMART board emulation through Wiimote using bluetooth HID protocols with perspective transform estimation calibration*

Ms Anne M O'Brien OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Lip gloss: Development of an original formulation preferred by middle school students*

Ms Jessica M Robbins OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *The cool blue light of luminol*

Ms Kristin T Van Deusen OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *The cool blue light of luminol*

Ms Mary F Voinovich OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Lip gloss: Development of an original formulation preferred by middle school students*

Hyatts MS, Powell

Mr Himanshu Dashora OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Citrus chemistry*

Mr Spencer E Dirrig OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 080 HM
Project Title: *CO2 in gasses*

Ms Shilpa P Murthy OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *What is a good diet for kids with diabetes?*

Hylen Souders ES, Galena

Mr Jared A Deel OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Electrical charge in fruits: Which fruit has the most electrical charge?*

Ms Gabriella M Pecci OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Paper towel absorption: What brand absorbs the most water?*

Immaculate Conception, Columbus

Mr Andrew J Noll OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of antacids on heartburn*

Mr Edward M Glace OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *The effectiveness of hand sanitizers*

Mr Sam C Neff OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *The effectiveness of hand sanitizers*

Immaculate Conception, Dayton

Mr Philip A Connair OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Which one will produce more electricity: wind or water?*

Ms Kasey K Riffey OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Turn it on or off*

Incarnate Word Academy, Parma Hts

Mr Brian J Barnes OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Healthier with the same great taste? Comparing regular and low fat foods*

Incarnate Word Academy, Parma Hts

Ms Anne E Brennan **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Superior 148 1ST
Project Type: Individual
Project Title: Reusable shopping bags: Is going green making you sick?

Ms Courtney T Bush **OAS AWARD** **Sponsored Awards -if any**
Grade 07 Superior 086 3RD
Project Type: Individual
Project Title: Are geese contributing to the pollution of our waters?

Ms Nicole A Davessar **OAS AWARD** **Sponsored Awards -if any**
Grade 07 Excellent
Project Type: Individual
Project Title: Color and sugar concentration feeding preferences in hummingbirds

Ms Koraima E Denerville **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Excellent
Project Type: Individual
Project Title: The evolution of green powder paint

Ms Sara K Hurley **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Excellent
Project Type: Individual
Project Title: Effects of soil pH on plant growth

Ms Erika C Klek **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Superior 032 3RD
Project Type: Individual
Project Title: Coffee or tea: How does your garden grow?

Mr Scott B Legeza **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Excellent
Project Type: Individual
Project Title: Magnetism and its effect on plants

Ms Clare A Panek **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Superior
Project Type: Individual
Project Title: The quantitative analysis of wind blocking material

Ms Maureen L Rakovec **OAS AWARD** **Sponsored Awards -if any**
Grade 07 Excellent 080 1ST
Project Type: Individual
Project Title: Renewable energy: Optimizing the power output of photovoltaic cells via solar concentrators

Incarnate Word Academy, Parma Hts

Mr Andrew J Szabo OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: *Which type of soil causes graph paper to decompose more completely?*

Mr Zac Tomko OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: *Bioremediation of oil spills in varying salinity levels*

Mr Jonathan M Unger OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Which triangles can be truss- ted? The study of how triangle shape affects the weight a truss can support*

Mr Joseph A Unger OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Individual
Project Title: *Burying the noise with sound barriers: The study of sound barrier materials*

Ms Anamika Veeramani OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Do antibiotic drug combinations promote antibiotic resistance?*

Ms Alexandra L Zanowick-Marr OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: *The strength of adhesives on wood, plastic and metal surfaces*

Incarnation, Centerville

Mr Neil A Arana OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *How does the number of blades on a wind turbine affect its electrical output?*

Mr Ethan X Bolka OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: *Bouncing of different temperature basketballs*

Mr Benjamin J Bradley OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: *Viscosity of various liquids*
139 HM

Incarnation, Centerville

Ms Diana A Greis OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Can 8th graders text faster on a keyboard phone or T9 keypad?*

Ms Emma C Hume OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does changing the format of a standardized test answer sheet affect the results for a left-handed person?*

Ms Madelyn M Kroger OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Nintendo Wii's effect on reaction time*

Mr Max J Miller OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Mnemonic aids*

Ms Emily N Reeve OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does age affect body proportion?*

Mr Jimmy P Suhr OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Maximizing turbine power through efficient propellers*

Mr Michael P Taylor OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does the composition of metal affect how quickly it rusts?*

Ms Gina J Venanzi OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Heat resistance of common fabrics*

Mr Daniel H Von Der Vellen OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Gender's effect on eyewitness memory*

Jackson HS, Jackson

Ms Nicole P Dake OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: Hydroponics vs soil: Germination yield

Mr Benjamin E Lewis OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: Is there gene flow from genetically modified Glycine max to other organisms

Mr Clay E Wood OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual 142 SCH
Project Title: Aerodynamics of whale tubercles on an airfoil

Jackson MS, Jackson

Ms Emily C Balzer OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: Energy drinks: benefits vs. risks

Mr Joseph T Enerva OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Best roof

John C Dempsey MS, Delaware

Ms Megan A Ayscue OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: How activities affect lung capacity

Ms Grace F Fuchs OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 070 HM
Project Title: Does lake water quality respond to weather conditions?

Ms Lydia R Gray OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 033 1ST
Project Title: How temperature affects bacterial growth in mascara

Mr Cole I Haferman OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Orange juice vs sports drinks: an electrolyte study

John C Dempsey MS, Delaware

Mr Caleb A Howell OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does caffeine affect the heart? Year 2*

Ms Anna S Hurley OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Using sugar to preserve flower color*

Ms Jessica L Kinney OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *A study of cockroach reaction to odors*

Ms Rebecca T Kovatch OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The first step to storing lightning*

Ms Tori E Newman OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *How does height and velocity of an asteroid affect crater characteristics?*

Mr J. Michael Sweeney OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Need for speed: A study in propeller engineering*

Ms Lily C Wiest OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Teenagers, stress and coping behaviors*

Ms Lindsay M Wolford OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual 189 1ST
Project Title: *Is silence really golden? A study of task efficiency*

John Sells MS, Dublin

Ms Ananya Rajagopal OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Test the vitamin C content in citrus products*

John Sells MS, Dublin

Ms Samantha E Skuce OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Multi-tasking or distracted driving*

Ms Kendall Mitchell OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team 034 3RD
Project Title: *Healthy and tasty egg substitutes*

Ms Meg E Suttle OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team 034 3RD
Project Title: *Healthy and tasty egg substitutes*

Kemp @ Grant ES, Dayton

Mr Andrew M Hagenbuch OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Are generic paper towels stronger than name brand paper towels?*

Kent MS, Akron

Ms Rebecca M Vang OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual 070 HM 079 HM
Project Title: *Landsat 7's surface temperature accuracy compared to a fluke 63 infrared temperature reader*

Ms Kimberly A Flight OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Soil temperatures between short grass and dirt surfaces*

Ms Katie N Lee OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Soil temperatures between short grass and dirt surfaces*

Kilbourne MS, Worthington

Ms Nishantika Bhattacharya OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 034 2ND
Project Title: *Electrolytes vs calories*

Lake Ridge Academy, N Ridgeville

Mr William M Cousino OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Can electricity be sent wirelessly?*

Mr Matthew B DeWerth OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Fractal antennas: electro dynamic masterpiece of the future*

Ms Kaci A Gregory OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The comparison of lung capacity between adolescent athletes and non-athletes*

Mr Art J Perkitny OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 080 2ND
Project Title: *Microbial fuel cells: From waste to power in one step*

Ms Maria A Scarpitti OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *What substance makes cut flowers last longest?*

Lehman Catholic HS, Sidney

Mr Pierce J Bennett OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual 080 2ND
Project Title: *The effects of manure runoff on water quality*

Ms Lauren G Bosway OAS AWARD Good Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *The effects of hair thickening shampoo and conditioner on a chemotherapy patient*

Ms Sarah E Davidson OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *A food's impact on blood sugar*

Ms Kerri B Josefovsky OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Are your plants smokin': The effects of carcinogens on plant's growth and development*

Lehman Catholic HS, Sidney

Ms Elizabeth L McDevitt OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *The Gauss rifle: A magnetic linear accelerator*

Ms Andrea Thobe OAS AWARD Good Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Do plant-based biodegradeable plastics decompose faster than petroleum based plastic?*

Ms Allison M Ulbrich OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *The effects of electromagnetism on single celled organisms*

Ms Katie E Williams OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *The effect of color on memory retention*

Lial, Whitehouse

Mr Alex T McCartney OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Video games on mathematical performance*

Mr Dustin L Miller OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Electrolysis of water*

Mr Gregory S Wobser OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Angles of photovoltaic panels*

Liberty Union MS, Baltimore

Mr Alexander C Carrico OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Bacterial warfare: Antibiotics VS Alternative Remedies*

Lincoln ES, Coshocton

Mr Kyle T Bergeron OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Comparison of two popular soccer cleats: Which cleat has the better traction?*

Ms Alexandra T Simpson OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Bacteria: What's in your home?*

Ms Mary R Skelton OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Does weight affect how long someone can stay underwater?*

Litchfield MS, Akron

Ms Alexandra L Wainwright OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual 041 2ND
Project Title: *Bars, beams and bacteria: The accumulation of bacteria on gymnastics equipment*

Little Flower, Toledo

Mr Noah B Pawlaczyk OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How gravity affects kinetic energy*

Ms Hannah R Remington OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does the accuracy of eye witness testimony deteriorate over time?*

Mr Cameron A Zakrzewski OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Single versus cluster parachutes: Same area, same results?*

Lordstown HS, Warren

Ms Mary M Bennett OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Can you feel the heat?*

Louisville HS, Louisville

Ms Maggie A Azzi Grade 10 <i>Project Title: Hearing thresholds: A comparison of age versus varying frequency and decibels</i>	OAS AWARD Excellent	Sponsored Awards -if any 023 1ST
Ms Bethany L Beaver Grade 09 <i>Project Title: The effects of sky glow on the visibility of the stars in Ursa Major</i>	OAS AWARD Excellent	Sponsored Awards -if any 209 1ST
Ms Sarah J Clapper Grade 10 <i>Project Title: The effect of the DRX9000, used for chiropractic care in treating bulging discs, on extreme vs moderate cases of spinal subluxation in reducing nerve interference</i>	OAS AWARD Excellent	Sponsored Awards -if any 023 1ST
Ms Lindsay N Hall Grade 09 <i>Project Title: Effects of exercise: Changes in carbon dioxide output</i>	OAS AWARD Superior	Sponsored Awards -if any 142 SCH
Ms Elaine K Souder Grade 09 <i>Project Title: Compaction action: Topsoil as a natural filtration system</i>	OAS AWARD Superior	Sponsored Awards -if any 080 1ST 209 1ST 142 SCH
Mr Michael L Thomas Grade 10 <i>Project Title: The effects of age and weight on hip laxity percentiles in Labrador retrievers, Golden retrievers and Rottweilers</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Ashley M Whipkey Grade 09 <i>Project Title: How well can you lie?</i>	OAS AWARD Superior	Sponsored Awards -if any 142 SCH
Ms Sarah E Wyss Grade 09 <i>Project Title: The effects of visual imagery on the free throw shooting percentage of female college athletes</i>	OAS AWARD Superior	Sponsored Awards -if any 142 SCH
Ms Christina A Yu Grade 09 <i>Project Title: The effects of sweeteners on yeast growth</i>	OAS AWARD Superior	Sponsored Awards -if any

Manchester HS, Manchester

Ms Samantha A DeAtley Grade 09 Project Type: Individual <i>Project Title: Got sand?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mansfield HS, Mansfield

Ms Katarina B Widrick Grade 10 Project Type: Individual <i>Project Title: Can trehalose insulate plants from drought?</i>	OAS AWARD Superior	Sponsored Awards -if any 019 SCH 157 1ST 169 HM
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Mapleton HS, Ashland

Mr Ryan J Culross Grade 09 Project Type: Individual <i>Project Title: Do retainers retain and increase oral bacteria?</i>	OAS AWARD Superior	Sponsored Awards -if any 146 2ND
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Mr Nathan A Kline Grade 09 Project Type: Individual <i>Project Title: Catastrophic cigarette chemicals</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Ross T Patton Grade 11 Project Type: Individual <i>Project Title: Look out below</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Chris R Purcell Grade 11 Project Type: Individual <i>Project Title: Which mixture is right?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Mr Zachary L Frymier Grade 12 Project Type: Team <i>Project Title: Dirty water = clean energy</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Shelby L Rohr Grade 12 Project Type: Team <i>Project Title: Dirty water = clean energy</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mason MS, Mason

Ms Sanika D Barve Grade 09 Project Type: Individual <i>Project Title: Enhance heat and conserve</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Hamzah Khan Grade 07 Project Type: Individual <i>Project Title: Watt a waste</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Aditya Nair Grade 08 Project Type: Individual <i>Project Title: Paper airplane</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Harinandan Srikanth Grade 07 Project Type: Individual <i>Project Title: Characteristics of solar energy as an electric source</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr David Wang Grade 07 Project Type: Individual <i>Project Title: Enzyme kinetics: Which factors affect the decomposition of hydrogen peroxide by the enzyme catalase the greatest?</i>	OAS AWARD Excellent	Sponsored Awards -if any 134 1ST 158 1ST
Mr Vineet N Erasala Grade 08 Project Type: Team <i>Project Title: Conductivity and salinity</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Daehyun Kim Grade 07 Project Type: Team <i>Project Title: The Falkirk Wheel</i>	OAS AWARD Superior	Sponsored Awards -if any 133 1ST
Mr Mihir U Parshionikar Grade 07 Project Type: Team <i>Project Title: The Falkirk Wheel</i>	OAS AWARD Superior	Sponsored Awards -if any 133 1ST
Mr Peeyush Shrivastava Grade 08 Project Type: Team <i>Project Title: Conductivity and salinity</i>	OAS AWARD Excellent	Sponsored Awards -if any

Maumee Valley Country Day, Toledo

Mr Osama A Alkhalili OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Where to turn for heartburn: Pharmaceutical antacids or home remedies*

Mr Samer A Alkhalili OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual 072 1ST
Project Title: *The effectiveness of turmeric in reversing of the toxicity of perchlorate in Daphnia magna*

McNicholas, Cincinnati

Mr Jacob M Boehm OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 108 1ST
Project Title: *The effects of urea from bovine urine on B20 diesel fuel efficiency*

Ms Lucy M Frey OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Can frozen golf balls go the distance?*

Mechanicsburg HS, Mechanicsburg

Mr Morgan L Eades OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does the increase and decrease in feed affect a dairy cow's milk production more than the increase and decrease of hay?*

Mr Benjamin M Pifher OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual 059 5TH
Project Title: *Subsonic aerodynamic drag*

Ms Chloe R Wasserman OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Color vs word recognition*

Memorial HS, St Marys

Ms Katlyn N Brown OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *pH: It's effect on bone structure*

Memorial HS, St Marys

Ms Amanda P Rupard OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *The effect of sleep deprivation on test performance*

Ms Priya Sivagnanam OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *The effect of sleep deprivation on test performance*

Mentor HS, Mentor

Mr Samuel H Stroebol OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 175 1ST 205 2SCH
Project Title: *Determining simulated blood alcohol content through infrared spectroscopy*

Ms Rachel J Welch OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual 145 1ST
Project Title: *An examination of the correlation between hypertension and vitamin D*

Miami Valley Career Tech Ctr, Clayton

Ms Taylor W James OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Does ankle taping cause asymmetries?*

Mr Bryce M Renicker OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *VO2 changes in kettlebell vs aerobic training*

Ms Leah R Hogue OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *Pop goes the tooth*

Ms Katherine C Young OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *Pop goes the tooth*

Miller South Visual Perf Arts MS, Akron

Ms Olivia K Doria OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 028 2ND
Project Title: Does texting slow reaction time?

Mr Jordan Euell OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Tennis ball compression bounce height

Mr Gavin A Markowitz OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 033 3RD 036 HM
Project Title: Are trees a usable source of electricity?

Ms Erin M C Siegfert OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: From trash to treasure

Minerva HS, Minerva

Mr Conor D Freeland OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual 158 2nd 188 1ST
Project Title: Aldehyde dehydrogenase 7a1 and its relationship to pyridoxine dependent epilepsy

Mr Benjamin M Moran OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual 087 1ST
Project Title: The effectiveness of select natural antiseptics in contrast to the proven antiseptic bleach

Mr Daniel W Moran OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: Computer sleuth: Identification by text analysis

Mr Christian A Wallenfelsz OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Individual 011 SCH 070 1ST
Project Title: Phase delay anemometer

Ms Mandi L Baumberger OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: How does age affect memory?

Minerva HS, Minerva

Ms Marisa J Lally OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *Rate law determination of the crystal violet reaction*

Mr Jacob M Riley OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Does it kill?*

Mr David A Rinehart OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Does it kill?*

Ms Leanna N Rinehart OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Team
Project Title: *Rate law determination of the crystal violet reaction*

Mr Dakota J Scharver OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Shake n' quake structures*

Ms Mikayla A Shea OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *How does age affect memory?*

Ms Jessica J Stanik OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Shake n' quake structures*

Minford HS, Minford

Mr Sean C Ison OAS AWARD Good Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *A diabetes dilemma*

Monroe HS, Monroe

Mr Eric M Stone OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *The duration of the anti-bacterial effect of ethyl-alcohol based hand sanitizer*

Monticello ES, Huber Hts

Ms Jasmine N Fujimura OAS AWARD Sponsored Awards -if any
Grade 05 Project Type: Individual Excellent 210 3RD
Project Title: Bright ideas

Morrison ES, Athens

Ms Kathryn C Dispenza OAS AWARD Sponsored Awards -if any
Grade 06 Project Type: Individual Superior
Project Title: Halogens as disinfectants: Which one works best?

Mother Teresa Catholic, Liberty Twp

Ms Katie J Donaldson OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Superior
Project Title: A study of taste using low fat and regular foods

Mr Adam L Edwards OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: The testing of the quality and taste of bottled water and tap water

Mr Brady M Grogan OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: Acid rain: East of Interstate 75 vs west of Interstate 75

Mr CJ J Walter OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: The affect of temperature on a golf ball

Mt Vernon HS, Mt Vernon

Ms Willa G Kerkhoff OAS AWARD Sponsored Awards -if any
Grade 09 Project Type: Individual Superior
Project Title: The effects of congruent and incongruent facial expressions on remembering the emotions of others

Ms Mackenzie N McClure OAS AWARD Sponsored Awards -if any
Grade 09 Project Type: Individual Superior 209 1ST
Project Title: How does the size and amount of TiO2 nanoparticles suspended in glycerin affect the scattering of different colors of light?

Mt Vernon MS, Mt Vernon

Mr Andrew B Powell	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>The effects of cigarette smoke on ciliary motion in Tetrahymena pyriformis</i>		

Nagel MS, Cincinnati

Mr Thomas M Bouley	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>What factors affect the electrolysis of water?</i>		

National Inventor's Hall of Fame School, Akron

Mr Kyle V Fertig	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Individual		
Project Title: <i>Addition and cancellation of sound waves</i>		

Mr Conner H Seitzinger	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>Fact or fiction?</i>		

Nightingale Montessori Inc, Springfield

Mr Jonathan K Manning	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Which kick produces the best soccer shot?</i>		

Mr Collin S Roberts	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Aggressive or conservative: Which wins in liar's poker?</i>		

Mr Ian C Roberts	OAS AWARD	Sponsored Awards -if any
Grade 06	Good	
Project Type: Individual		
Project Title: <i>Which type of wood burns the hottest?</i>		

Ms Catherine M Sheehan	OAS AWARD	Sponsored Awards -if any
Grade 06	Excellent	
Project Type: Individual		
Project Title: <i>Which spice inhibits bacterial growth the most?</i>		

Nightingale Montessori Inc, Springfield

Mr Joseph A Sheehan OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *Does the number of blades on a propeller change the speed of the physics car?*

Ms Lily D Todd OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual 080 3RD 139 HM 178 1ST
Project Title: *How much fuel can be extracted from compost?*

Noble Academy, Columbus

Ms Hatice Yildiz OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *How to detect air pollution*

North Adams ES, Seaman

Ms Shayna C Stephenson OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual 108 HM
Project Title: *Nature's batteries: Is it possible to collect and use electricity from food?*

North Adams HS, Seaman

Ms Whitney E Siders OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual 032 2SCH 182 1ST
Project Title: *What are the allelopathic effects of black walnut extracts including hulls, roots and bark on the germination and growth of other plants*

Norwalk Catholic, Norwalk

Ms Emily M Cardwell OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Music and short term memory*

Mr Luke T Cardwell OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The best fingerprinting surface*

Mr Paul A Carson OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 061 3RD
Project Title: *Bentonite*

Norwalk Catholic, Norwalk

Mr Matt G Dankelson Grade 07 Project Type: Individual <i>Project Title: Fastest way to cool a soda</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Mike W Dankelson Grade 07 Project Type: Individual <i>Project Title: Ball bouncing dynamics</i>	OAS AWARD Superior	Sponsored Awards -if any
Ms Holly M Latteman Grade 09 Project Type: Individual <i>Project Title: Paw preference</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Andrea M Malfara Grade 07 Project Type: Individual <i>Project Title: Healthy water?</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Bradley M Metcalfe Grade 11 Project Type: Individual <i>Project Title: Impact to the extreme</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Lauren E Ott Grade 07 Project Type: Individual <i>Project Title: Rdeanig</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Rachael L Rhoad Grade 09 Project Type: Individual <i>Project Title: Fruit for thought - Does the sugar content in fruit increase as it ripens?</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Sarah E Rhoad Grade 11 Project Type: Individual <i>Project Title: Blood glucose and hand washing</i>	OAS AWARD Excellent	Sponsored Awards -if any 171 1ST
Mr Alex W Rospert Grade 11 Project Type: Individual <i>Project Title: Water quality: City vs well</i>	OAS AWARD Excellent	Sponsored Awards -if any 072 2ND 171 1ST

Norwalk Catholic, Norwalk

Ms Makayla R Roth OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Popcorn and H2O*

Mr Christopher T Stang OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Let's shake on it: Effect of handshaking on germ transmission*

Mr Tim E Thomas OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Building bridges*

Ms Brenna E Wnek OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Feast for yeast*

Mr Patrick J Liben OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Air pressure under helicopters*

Mr Steven C Reichert OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Team
Project Title: *Air pressure under helicopters*

Notre Dame School, Chardon

Mr John J Cermak OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Fantastic freezing*

Mr Patrick R Galaska OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Investigating the effect of citric acid added to hydrogen rocket fuel*

Oakwood MS, Canton

Mr Bradley D Evans OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Making robots faster by making them simpler*
212 HM

Oakwood MS, Canton

Mr Christian J Kellamis	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	139 1st
Project Type: Individual		
Project Title: <i>Should Canton switch to green energy?</i>		

Ms Courtney C Warren	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>The effects of bottled water and tap water on the yield of DNA extracted from apples</i>		

Ms Emily R Weiss	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>How memory affects description skills</i>		

Ohio Virtual Academy, Maumee

Mr Monte R Anderson	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Measuring the turbidity of water</i>		

Olentangy Liberty HS, Delaware

Mr Sachin R Rudraraju	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>Exploring electromagnetic fields in a three dimensional space</i>		

Orange HS, Pepper Pike

Mr Stuart P Davis	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	175 1ST
Project Type: Individual		
Project Title: <i>Design of an astronaut transport vehicle: Minimizing lunar dust</i>		

Ottawa Hills HS, Toledo

Ms Shivani Bhatt	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>Which brand pops the most popcorn at a lower price?</i>		

Mr Samuel J Brochin	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>Refraction in action</i>		

Ottawa Hills HS, Toledo

Mr Nathan P Dewire
Grade 09 Project Type: Individual
Project Title: Going the distance

OAS AWARD
Superior

Sponsored Awards -if any
209 1ST 142 SCH

Mr Michael L Geiger
Grade 09 Project Type: Individual
Project Title: Good eye

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Mr Zachary C Hauck
Grade 09 Project Type: Individual
Project Title: Feeling sleepy? An explanation to the teenage sleep system

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Bradley N Jenkins
Grade 09 Project Type: Individual
Project Title: Liquid light

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Susi G Martinez
Grade 09 Project Type: Individual
Project Title: How do light and temperature affect transpiration?

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Mr Tristan J Richardson
Grade 09 Project Type: Individual
Project Title: Can o'worms

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Ottoville HS, Ottoville

Ms Ashley N Hoehn
Grade 12 Project Type: Individual
Project Title: The effects of Cinnamomum cassia on glucose uptake

OAS AWARD
Superior

Sponsored Awards -if any
075 HM 146 3RD

Mr Cory A Honigford
Grade 08 Project Type: Individual
Project Title: Bounce a ball: Different balls, different surfaces

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Miranda D Mathews
Grade 08 Project Type: Individual
Project Title: Kinetic energy

OAS AWARD
Excellent

Sponsored Awards -if any

Ottoville HS, Ottoville

Ms Eden R Schlagbaum OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Water conservation: Will gray water work?*

Mr Andrew J Horstman OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Do peanuts make chicken eggs bigger?*

Mr Johnny M Landwehr OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Do peanuts make chicken eggs bigger?*

Our Lady of Lourdes, Cincinnati

Mr John R Capannari OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual 178 1ST
Project Title: *The lowdown of the cooldown*

Mr Brad Gerhardt OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Pumped-up plants*

Ms Rachel M Hautman OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Ageless apples: Which preservative is most effective?*

Ms Lauren E Leesman OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Live green with insulation*

Our Lady Of Peace, Canton

Ms Hannah G Miller OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The comparison of inorganic and organic fertilizers on plant growth*

Ms Kylee M Voshel OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Which sunscreen works the best?*

Our Lady Of Perpetual Help, Grove City

Ms Courtney A Bair OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Can people better recognize words in Chinese using traditional or simplified Chinese characters?

Ms Miranda S Borden OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Which type of flower preservative helps keep a cut flower fresh?

Ms Taylor A Foresta OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Does color incongruency affect responses to words?

Ms Shelby A Fornal OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Which reduces bacterial growth best liquid soap or hand sanitizer?

Ms Josephine M Halko OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Are natural cleaners more effective than standard cleaners at reducing bacterial growth?

Mr Adam Lannutti OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Does listening to a drum improve memory?

Ms Francesca S Mitchell OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Does sugar or sugar substitutes make better brownies?

Ms Haley R Pasquinilli OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Which toothpaste brand makes teeth the whitest?

Ms Rylie M Wahl OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: How does classical music affect short term memory?

Our Lady Of Perpetual Help, Grove City

Mr Matthew A Wasto	OAS AWARD	Sponsored Awards -if any
Grade 07	Good	
Project Type: Individual		
Project Title: <i>Does temperature affect reaction time?</i>		

Our Lady Of The Elms, Akron

Ms Mica L Brooks	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Lightweight concrete: The solution to moon construction?</i>		

Ms Katherine E Engels	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Need a lift?</i>		

Ms Kelly A Gallagher	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Do broccoli's nutrients lead to better plant growth?</i>		

Our Lady Of Visitation, Cincinnati

Ms Allison M Brewer	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>Does the Stroop effect vary by age and gender</i>		

Ms Alexandra M Hoffmann	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Does hand strength affect handwriting</i>		

Mr Jacob M Mueller	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Which battery can outlast the others</i>		

Ms Elizabeth A Staley	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Lead testing in children's play areas</i>		

Padua Franciscan, Parma

Ms Rachel E Yurchisin Grade 09 Project Type: Individual <i>Project Title: Salt water and plastics: Mixture or compound?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Paint Valley ES, Bainbridge

Mr Jacob C Nash Grade 05 Project Type: Individual <i>Project Title: Pollution in local streams</i>	OAS AWARD Excellent	Sponsored Awards -if any 079 3RD 085 3RD
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Paint Valley MS, Bainbridge

Mr Austin M Baker Grade 06 Project Type: Individual <i>Project Title: Do water pH levels speed up rust?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Taylor E Baker Grade 08 Project Type: Individual <i>Project Title: Thermal energy in water</i>	OAS AWARD Superior	Sponsored Awards -if any
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Ms Faith I Davis Grade 08 Project Type: Individual <i>Project Title: Will pop make you pop?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Sarah L Everhart Grade 08 Project Type: Individual <i>Project Title: Peeling apart vitamin C!</i>	OAS AWARD Superior	Sponsored Awards -if any
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Ms Shania Logan Grade 08 Project Type: Individual <i>Project Title: Establishment bacteria</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Patrick Henry HS, Hamler

Ms Tina M Bennett Grade 11 Project Type: Individual <i>Project Title: Soap resonance: A novel approach at measuring the speed of sound using soap films</i>	OAS AWARD Superior	Sponsored Awards -if any
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Patrick Henry HS, Hamler

Ms Kaitlyn N McKitrick	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>The effects of center of gravity on rotation rate in gymnasts</i>		

Ms Grace E Rader	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	
Project Type: Individual		
Project Title: <i>Cosmetic chromatography</i>		

Ms Kara N Klein	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Team		
Project Title: <i>Blood energy potion: Fact or fiction?</i>		

Ms Sara Tuthill	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Team		
Project Title: <i>Blood energy potion: Fact or fiction?</i>		

Patrick Henry MS, Hamler

Mr Jake J Black	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>What brand of duct tape is best?</i>		

Patterson/Kennedy ES, Dayton

Mr Billel A Hamadi	OAS AWARD	Sponsored Awards -if any
Grade 05	Superior	108 HM
Project Type: Individual		
Project Title: <i>Solar energy</i>		

Paulding HS, Paulding

Mr Andrew B Favorito	OAS AWARD	Sponsored Awards -if any
Grade 11	Good	
Project Type: Individual		
Project Title: <i>Could Dreissena polymorpha reduce microcystin in Lake St Marys?</i>		

Paulding MS, Paulding

Ms Alexis D Howell	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Does exposure to simple sugar affect bone density?</i>		

Paulding MS, Paulding

Mr Cameron M Mohley OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What effect does temperature have on a lemon battery?*

Mr Andrew J Layman OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Does solution concentration affect the absorption rate of hydrophilic polymers?*

Mr Bradley D Matson OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Does solution concentration affect the absorption rate of hydrophilic polymers?*

Mr Isaac J Nice OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Does temperature affect crayfish aggressiveness?*

Mr Dalton S Talbott OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *Does temperature affect crayfish aggressiveness?*

Perry MS, Perry

Ms Nicolette F Diehl OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Which brand of whip cream will last the longest?*

Ms Madison C Duke OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Powders or chemicals? The best method for lifting fingerprints*

Ms Brittany M Truhn OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Digital vs 35mm: Which do customers prefer?*

Pettisville HS, Pettisville

Ms Chrysta N Beck OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The growth of the white cornish-cross strain when fed at different protein levels*

Pettisville HS, Pettisville

Mr Eliot L Hartzler
Grade 08 Project Type: Individual
Project Title: What is Pettisville's optimum wind turbine height?

OAS AWARD
Superior

Sponsored Awards -if any
070 3RD

Ms Bethany Iott
Grade 10 Project Type: Individual
Project Title: The effect boiling or steaming has on the amount of vitamin C in potatoes

OAS AWARD
Excellent

Sponsored Awards -if any
031 2ND 169 HM

Ms Taylor M Kruse
Grade 10 Project Type: Individual
Project Title: The effect of fecal matter produced by New Zealand rabbits fed different percentages of protein on the growth rate of Glycine max plants

OAS AWARD
Superior

Sponsored Awards -if any
032 1ST 142 SCH

Ms Laura J Rupp
Grade 10 Project Type: Individual
Project Title: How transparent covers protect scrapbook paper and pictures from fading due to sun damage

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Mr Daniel J Sauder
Grade 08 Project Type: Individual
Project Title: Alternative particleboard materials

OAS AWARD
Superior

Sponsored Awards -if any

Ms Brooke A Waidelich
Grade 08 Project Type: Individual
Project Title: The most effective waterproof sunscreen

OAS AWARD
Excellent

Sponsored Awards -if any

Pettisville JS, Pettisville

Ms Abigail J Bucher
Grade 08 Project Type: Individual
Project Title: Burials

OAS AWARD
Excellent

Sponsored Awards -if any

Pickaway-Ross Career & Tech Ctr, Chillicothe

Mr Tyler A Adams
Grade 12 Project Type: Team
Project Title: Terminal velocity

OAS AWARD
Excellent

Sponsored Awards -if any

Pickaway-Ross Career & Tech Ctr, Chillicothe

Mr Taylor A Tackett Grade 12 Project Type: Team <i>Project Title: Terminal velocity</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Piketon Jr/Sr HS, Piketon

Mr Chaz M Bowman Grade 09 Project Type: Individual <i>Project Title: Sliding light</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Abigail I Crothers Grade 07 Project Type: Individual <i>Project Title: Mosquitoes: It's what's for dinner!</i>	OAS AWARD Superior	Sponsored Awards -if any 030 1st 087 3RD 136 HM
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Ms Makenzie J Moorman Grade 07 Project Type: Individual <i>Project Title: Get a taste of this! Are people who suffer from geographic tongue unable to taste correctly due to their condition?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Piqua Catholic ES, Piqua

Mr James E Hillman Grade 08 Project Type: Individual <i>Project Title: Comparison of sorting algorithms</i>	OAS AWARD Excellent	Sponsored Awards -if any 055 2ND 212 HM
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Ms Abigail R O'Connell Grade 08 Project Type: Individual <i>Project Title: Don't stop the music</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Portsmouth ES, Portsmouth

Ms Hannah M Simmons Grade 06 Project Type: Individual <i>Project Title: Taking a dog's temperature: Which thermometer type is best?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Portsmouth HS, Portsmouth

Ms Allison R Raies Grade 07 Project Type: Individual <i>Project Title: A cleanup a day keeps litter away</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Portsmouth HS, Portsmouth

Ms Sarah J Raies	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	036 HM 209 1ST
Project Type: Individual		
Project Title: <i>King recycler the worm: Part VI</i>		

Mr Evan M Sommer	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	132 SCH
Project Type: Individual		
Project Title: <i>Face the facts: The effects of antibiotics and topical products on acne causing bacteria</i>		

Ridgedale Jr/Sr HS, Morral

Ms Emily R Brewer	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Which type of sheep wool insulates best?</i>		

Ms Hillary A Brewer	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Natural versus artificial insemination on a small hog farm</i>		

Ridgewood HS, W Lafayette

Mr Hayden K Burkholder	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Conductivity of electricity</i>		

Ms Monica E Honabarger	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Volley voyage</i>		

Ms Amanda J Matchett	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	
Project Type: Individual		
Project Title: <i>It's electric!</i>		

Ridgewood School, Springfield

Mr Anuj Devatha	OAS AWARD	Sponsored Awards -if any
Grade 05	Superior	072 HM
Project Type: Individual		
Project Title: <i>Does the chemical composition of water affect its boiling point?</i>		

Ridgewood School, Springfield

Ms Nadisha K Nezhad OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Which lemon-lime carbonated drinks effect teeth the most?*

Ms Nadia A Syed OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Can a simulation deter drivers from texting?*

Mr Rehan A Syed OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Is there a need for dyslexia screening?*

Ms Huda N Ahmed OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team 133 1ST
Project Title: *Fertilizers: Organic or conventional*

Ms Nicole S Pavlatos OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Team 133 1ST
Project Title: *Fertilizer: Organic or conventional*

River View MS, Warsaw

Ms Darby H Croft OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Oops, I spilled it again! The absorbency of paper towels*

Ms Elizabeth A Lozowski OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The chemistry of ice cream making: Lowering the freezing point of water*

Ms Rachel L Lozowski OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of body mass index on lung capacity*

Rock Hill MS, Ironton

Mr Seth M Miller OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Trebuchet - The effect of changing the mass*

Rock Hill MS, Ironton

Mr James C Rudmann	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>The effects of glycerin on bubbles</i>		

Rockway ES, Springfield

Mr Alexander K Leibfritz	OAS AWARD	Sponsored Awards -if any
Grade 07	Good	
Project Type: Individual		
Project Title: <i>Magnets or marigolds: How magnets affect seed germination and rate of growth of marigolds</i>		

Rodger O Borrer MS, Wilmington

Ms Reem N Bekheet	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>Micro hydro generator</i>		

Ms Kathryne C Browne	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	080 2ND
Project Type: Individual		
Project Title: <i>Are soap nuts safer on the environment compared to Tide laundry detergent?</i>		

Mr Joseph M Keiter	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	018 3RD 033 2ND
Project Type: Individual		
Project Title: <i>Soybean hardness and moisture content</i>		

Mr James O Stroebel	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Jacob's ladder and the creation of ozone</i>		

Ross County Christian Academy, Chillicothe

Ms Mariah J Cox	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>Beans, beans, and more beans</i>		

Rubyville ES, Portsmouth

Ms Abbey G Halcomb	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Individual		
Project Title: <i>Who's mouth is cleaner, a human's or a dog's?</i>		

Rubyville ES, Portsmouth

Mr Levi J Nelson	OAS AWARD	Sponsored Awards -if any
Grade 06	Superior	
Project Type: Individual		
Project Title: <i>DSI: DNA science investigation</i>		

Rushmore ES, Huber Hts

Mr Sterling T Newsome	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Individual		
Project Title: <i>Fruit power</i>		

Rutherford B Hayes HS, Delaware

Ms Klaire E Brezinski	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>How seed spacing affects beet seedling growth rate</i>		

Mr Jacob D Dixon	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	
Project Type: Individual		
Project Title: <i>The science of cast off</i>		

Sacred Heart, Coshocton

Ms Gretchen M Lozowski	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Individual		
Project Title: <i>The effect of different sugars on fermentation</i>		

Sandy Valley HS, Magnolia

Ms Nancy M Sheckler	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
Project Title: <i>Bridge durability</i>		

Seton Catholic, Hudson

Mr Nicholas H Guiney	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Burning things up!</i>		

Sheffield MS, Sheffield VIIg

Mr Ivan D Mendoza	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>Does the shape of a parachute affect velocity?</i>		

Sheffield MS, Sheffield VIIg

Mr Bryson D Min	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Will changing the distance between the counterweight and joint affect how far a trebuchet throws a projectile?</i>		

Sheridan HS, Thornville

Ms Anastasia M Johnson	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	
Project Type: Individual		
Project Title: <i>Hydrogen fuel cells: Can they be green?</i>		

Sheridan MS, Thornville

Ms Elita D Jones	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Clays' electrical properties</i>		

Mr Jeremy B Justice	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Are light cigarettes less harmful than regular cigarettes?</i>		

Ms Taylor R Sturgeon	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Analyzing the dehydration rate of various fruits compromised by separate environments</i>		

Shiloh MS, Plymouth

Ms Kelsey L Breznicki	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Daphnia magna: Caffeine survival rate</i>		

Ms Allyson F Brodzeller	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Blowing in the wind</i>		

Ms Abigail L Melton	OAS AWARD	Sponsored Awards -if any
Grade 07	Superior	
Project Type: Individual		
Project Title: <i>Dimmer switch: Resistance</i>		

Shiloh MS, Plymouth

Mr Joseph A Williams	OAS AWARD	Sponsored Awards -if any
Grade 07	Excellent	
Project Type: Individual		
Project Title: <i>Model rocket engines: Flight time, distance</i>		

Solon HS, Solon

Ms Vibhuti Krishna	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	134 2ND 148 1ST 142 SCH
Project Type: Individual		
Project Title: <i>Can yellow help the pink? The effect of curcumin on breast cancer cell growth</i>		

Mr William W Qu	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	142 SCH
Project Type: Individual		
Project Title: <i>Age-dependent chromosomal instability of hematopoietic cells associated with oxidative stress</i>		

Mr Sarat Tallamraju	OAS AWARD	Sponsored Awards -if any
Grade 12	Excellent	072 1ST 080 1ST
Project Type: Individual		
Project Title: <i>Extracting water from air: A study of variables affecting the production of drinking water using hygroscopic chemicals</i>		

Ms Leah N Wilson	OAS AWARD	Sponsored Awards -if any
Grade 09	Excellent	
Project Type: Individual		
Project Title: <i>Stacking termocouples to increase voltage output</i>		

Solon MS, Solon

Ms Shivani Bafna	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	080 1ST
Project Type: Individual		
Project Title: <i>Effects of ferrofluid and magnets on oil spills</i>		

Ms Kristina M Hudzinski	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Available energy in different nut types</i>		

Ms Erin I Sandridge	OAS AWARD	Sponsored Awards -if any
Grade 08	Excellent	
Project Type: Individual		
Project Title: <i>Tubular magnetic levitation</i>		

Solon MS, Solon

Ms Kanithra C Sekaran OAS AWARD Superior Sponsored Awards -if any
134 2ND
Grade 08 Project Type: Individual
Project Title: *Used tea extracts - A potential source of bio-diesel?*

Mr Shreyas Tallamraju OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The Tesla coil - A study of applications and variables impacting its performance*

South Point HS, South Point

Mr Timothy J Beavers OAS AWARD Superior Sponsored Awards -if any
019 SCH 190 1ST
Grade 10 Project Type: Individual
Project Title: *Antibiotic resistant bacteria in local waters*

Ms Demi J Hardy OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *What really zaps that zit?*

Ms Savannah A Morris OAS AWARD Superior Sponsored Awards -if any
080 1ST 142 SCH
Grade 10 Project Type: Individual
Project Title: *Effects of household pollution on aquatic plants*

South Point MS, South Point

Mr Luke S Kelley OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Snowflakes: Are there two alike?*

Southeastern MS, Chillicothe

Ms Logan M Goebel OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Biodegradation rates of litter in our lakes and waterways*

Springfield HS, Springfield

Mr Nazeer S Ahmed OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *At which direction does a solar panel receive the most sunlight in Springfield, OH during the winter months?*

Springfield HS, Springfield

Ms Nikkee N Amin OAS AWARD Good Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Dissolution time of pain relievers*

Mr Humza S Bashir OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Does the amount of nitrogen in Buckcreek water affect algae growth?*

Mr Jacob A Bennett OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Is there a connection between language and temporal-spatial state?*

Mr Azie S Dhingra OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Teeth stains: Coffee versus tea*

Ms Sarah R Dixon OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Human memories*

Mr Alexander S Gaskins OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *Which materials effect radio waves the most?*
208 1ST

Ms Dominique V Jones OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Do scented substances affect blood glucose readings?*

Ms Saarah N Khan OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *How does mood affect problem solving?*

Mr Rohit K Nezhad OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *Which tomato product affects teeth the most?*
011 3ALT 175 1ST

Springfield HS, Springfield

Mr Ian AJ Shelburne OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: *Can you create a biofuel from grass?*

Ms Alison K Tune OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual 197 1ST
Project Title: *Can drugs be found in stream systems?*

St Agatha, Columbus

Ms Kirsten B Baumberger OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of 3D images due to eye color*

Ms Gabby M Bouchard OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of personality and group composition on the successful completion of difficult tasks and related*

Ms Taylor A Brown OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of color and color change on an emotional status*

Mr Luke A Fetch OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 165 2nd
Project Title: *The effect of ionic wind output based on Corona ion collector size on Bifield-Brown lifters: An aerospace stability experiment*

Ms Mary R Finneran OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of two common technologies on driving ability and distraction*

Mr Stephen E Golonka OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of pre-test preparation regimen on mathematical calculation according to left and right brain preference laterality*

St Agatha, Columbus

Ms Elizabeth L Harklerode OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of gender on original proficiency knowledge and mastering of computer skills*

Mr Tommy J Hatem OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect on load resistance due to structural design*

Mr Cameron M Hayes OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Will there be a difference in memory scores of word lists memorized by four common memory methods: chunking, associations, mnemonics and baseline comparison?*

Ms Lizzie G Jackson OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of Mozart's music on children's test scores*

Mr Samuel J Merkle OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of selected variables on the popping percentage of popcorn types and brands*

Mr Daniel F Neutzling OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The determination of behavioral tendencies through iris structure*

Ms Erin M Robenalt OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of various pressure stimuli on the completion of success in difficult tasks in groups that are male, female and mixed gender*

Ms Allie L Rohletter OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of iconic symbol type on memory proficiency*

Mr Stephen T Susa OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of pretest preparation methods matched to learning style on the proficiency of logic problems*

St Agatha, Columbus

Mr David J Szolosi OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *The ability of steel bars of circular and square cross section to resist bending*

Ms Claudia J Valachovic OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 072 HM
Project Title: *The effect of waste wash water on the health of a common plant*

St Albert The Great, Kettering

Mr Max Carone OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Simple power from fruits and vegetables*

Ms Jackie A Mangin OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Child safety caps: Are they actually child proof?*

Mr Luke W Schumann OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Glaucoma drainage tubes: A model for testing methods of regulating fluid outflows*

Mr Jeremy D Sill OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *What is the optimal fin shape for a rocket to go the highest?*

Ms Fiona M O'Malley OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: *Regular or diet?*

Ms Claire K Schuermann OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: *Regular or diet?*

St Albert The Great, N Royalton

Ms Sarah A Flis OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Blinded by the night*

St Albert The Great, N Royalton

Mr Alexander J Kubalski OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The best direction*

Mr Kevin P Renner OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Robotics: Comparison of sensors*

St Aloysius, Bowling Green

Ms Abigail F Paskvan OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Battle of the bulbs: Which bulb is more efficient?*

St Aloysius, E Liverpool

Ms Hannah L Edwards OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Which liquid evaporates the slowest?*

Mr Joseph W Mercer OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The river effect on the weather*
070 HM 136 HM

Ms Hannah R Mertens OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Singing wine glasses: Acoustic resonance*

Mr Qinwan Rabbani OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Multitasking*

Ms Taylor N Wise OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does plastic prevent evaporation?*

St Andrew, Columbus

Ms Leslie M Blind OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Fabric color retention*

St Andrew, Columbus

Ms Kelsey R Eldred OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of caffeine on heartrate*

Mr Joe R Huey OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The power of sound*

Mr Matthew G Lombardi OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Ballistic ballistics*

Mr Nicholas K Pappa OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Effect of different hockey visors and fogging on visual function?*

St Andrew/St Elizabeth A Seton, Milford

Ms Ashley E Dundon OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The effects of greywater on plant health*

Ms Katrina M Schroeder OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Wind turbines and blade angles*

Ms Meaghan M Wheeler OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of chocolate on blood pressure*

Ms Sarah M Wuerfel OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The windbelt, a micro power wind generator*

Ms Elizabeth Zappia OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The effect of temperature on the coefficient of restitution of a tennis ball*

St Anthony of Padua, Columbus Grove

Ms Andrea M Blankemeyer OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How long does an air pack last during physical activity?*

Ms Michelle M Kahle OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 158 2ND
Project Title: *Which cleaning spray kills the most bacteria?*

Ms Kasey M Kruse OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *What is the effect of color on memory retention?*

St Benedict, Cambridge

Mr Gregory J McKnight OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual 032 2ND
Project Title: *Energy farming: Which plant produces the most biomass?*

Mr Nathanael A Steele OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual 080 HM 139 3RD
Project Title: *Biomass*

St Bernard School, Cincinnati

Mr William A Frey OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Paper airplanes and the principle of lift*

St Brigid ES, Xenia

Ms Andrea J Rodenfels OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of soil acidity on water*

Ms Emma R Schutte OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Pick a smile: Geniune or fake?*

St Cecilia, Columbus

Ms Addison A Lavelle Grade 07 Project Type: Individual <i>Project Title: Plants and music</i>	OAS AWARD Excellent	Sponsored Awards -if any
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St Charles, Lima

Mr Luke A Baumgartner Grade 08 Project Type: Individual <i>Project Title: Biofuels: Some like it hot</i>	OAS AWARD Good	Sponsored Awards -if any 139 HM
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Mr Kyle H Muha Grade 08 Project Type: Individual <i>Project Title: Is ethanol a fuel for the future?</i>	OAS AWARD Superior	Sponsored Awards -if any 108 HM 139 HM
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St Christine, Youngstown

Ms Caitlin N Hruska Grade 08 Project Type: Individual <i>Project Title: Which is safer? Bottled vs tap</i>	OAS AWARD Good	Sponsored Awards -if any
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Ms Kaitlyn N Keffler Grade 08 Project Type: Individual <i>Project Title: Does eating breakfast affect math test scores?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Patrick W O'Brien Grade 08 Project Type: Individual <i>Project Title: Does chewing gum improve your memory</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Murphy L Sharp Grade 08 Project Type: Individual <i>Project Title: Criminal identification lineup debate: Simultaneous vs sequential</i>	OAS AWARD Excellent	Sponsored Awards -if any
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St Christopher, Vandalia

Mr Carli A Goode Grade 08 Project Type: Individual <i>Project Title: The effects of atmospheric pressure on wind speed and air temperature</i>	OAS AWARD Excellent	Sponsored Awards -if any 070 2ND
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St Christopher, Vandalia

Ms Brenna L Lonneman OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Protect your head or you may be dead: Preventing concussions*

Mr Jacob S Miller OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Fire's bane*

St Clairsville MS, St Clairsville

Ms Caitlin D Wolfe OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of the parachute's size on its flight time*

Mr Daulton W Freeman OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *The effect of Mentos candy added to diet Coke*

Mr Austin M Rine OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Team
Project Title: *The effect of Mentos candy added to diet Coke*

St Columban, Loveland

Ms Jenna M Adkins OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Let's put a smile on that face: Can you differentiate a genuine from a false smile by facial expression?*

Mr Andrew P Bitter OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How high did it go?*

Ms Monica E Bockhorst OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does time affect the buoyancy of a helium-filled balloon?*

Ms Allison A Carter OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Container confusion: How to keep produce fresh*

St Columban, Loveland

Mr John P Conroy OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *How does acidity affect steel's corrosion?*

Mr Danny J Diesel OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Trebuchet trials*

Mr Brian P Grinsted OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Is there a relationship between a person's hand, foot, eye and ear dominance?*

Ms Erica L How OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 072 HM 090 2ND
Project Title: *Green grass or clean water: Which would you prefer?*

Ms Rita E Maricocchi OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does sugar affect the rate of the fermentation process?*

Mr Zach C Miller OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 067 3RD
Project Title: *Which running surface will absorb the most impact?*

Mr Matthew D Pace OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What? A test of memory*

Mr Quinn R Sullivan OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Blood spatter patterns*

Mr Shane O Weaver OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Wind turbine efficiency*

St Columban, Loveland

Ms Tessa-Lynn Wiedmann OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Distractions while driving*

Ms Emily A Winter OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Does a person's body language change when they lie?*

Ms Ana I Aguilar OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Team 145 2ND
Project Title: *Take a deep breath: Lung capacity and aging*

Mr Nicolas F Aguilar OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Team 145 2ND
Project Title: *Take a deep breath: Lung capacity and aging*

St Edward, Ashland

Ms Natalee J Blackford OAS AWARD Excellent Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Optimizing taste in blueberry muffins with reduced sugar*

Ms Charlotte G Mejer-Atterson OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The effects of caffeine on the heart rate of Daphnia magna*

Mr Andrew J Stump OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: *The effects of inflation pressure and temperature on the height of a bouncing basketball*

Ms Kimberly H Tomchak OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The antioxidant effect of green tea on the mortality of Drosophila*

Ms Madeleine I Zimmerman OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *The yield strength of corrugated cardboard*

St Francis Xavier, Medina

Mr Matthew D Gilleland OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Baseball bat momentum*

Mr Ryan J Kupcik OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What is the best insulator?*

Mr Ryan D Schweter OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Pine times: Aerodynamic effects on racing pinewood derby cars*

St Gertrude, Cincinnati

Ms Elizabeth E Bayer OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What are the effects of diluted spices on the capillaries of a fish tail?*

Ms Natalie M Heller OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Which treat, using sight or smell, do dogs like best?*

Mr William A Ittenbach OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Fast food restaurant tabletops vs casual dining restaurant tabletops: Which contains more bacteria?*

Mr Robert R Naber OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does acid rain affect the growth of aquatic anacharis plants?*
030 2nd

St Hilary, Fairlawn

Ms Connie L Reagan OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Stroop effect variations*

Ms Clare D Scantling OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Team
Project Title: *Stroop effect variations*

St Ignatius, Cleveland

Mr Sean P Bush OAS AWARD Superior Sponsored Awards -if any
Grade 09 Project Type: Individual 148 1ST
Project Title: Do hand dryers aid in the spread of bacteria?

St Joseph, Sylvania

Ms Morgan E Finn OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Does exercise increase vital lung capacity?

Mr Benjamin D Geldien OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: How do various materials affect the conductivity of electricity?

Ms Stephanie J Lancz OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: Do Debbie Meyer™ Green Bags® really keep bananas fresh longer?

Mr Anthony J Mossing OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 028 1ST
Project Title: Do distractions affect driving video game scores?

Mr Andrew I Okuley OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: How does storage affect the freshness of bananas?

Ms Kristin S Osinski OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: How does the technique of cooling affect the time to cool a can of soda?

Mr Steven M Sferrazza OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual 079 4TH 134 HM
Project Title: How does acid rain affect limestone deterioration?

Ms Stephanie N Sim OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: How do different materials affect sound absorption?

St Joseph, Sylvania

Ms Danielle L Szczesniak Grade 07 <i>Project Title: Does the evaporation rate affect the growth of rock candy?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Frank J Szmania Grade 07 <i>Project Title: Does testosterone bring out the beauty in guppies?</i>	OAS AWARD Excellent	Sponsored Awards -if any 030 3RD
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Mr Paul J Zavell Grade 07 <i>Project Title: Is your mouth guarded: What cleans a mouthguard the best?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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St Joseph & Immaculate Heart of Mary, Youngstown

Ms Courtney E Dockry Grade 08 <i>Project Title: Does acid rain affect the rate of corrosion?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms AnnaMaria Jadue Grade 08 <i>Project Title: The ecological effects of acid rain</i>	OAS AWARD Superior	Sponsored Awards -if any
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Mr Michael M Jadue Grade 08 <i>Project Title: The caffeine factor</i>	OAS AWARD Excellent	Sponsored Awards -if any 034 1ST
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Ms Jena C Styka Grade 08 <i>Project Title: Bioavailability of vitamins</i>	OAS AWARD Superior	Sponsored Awards -if any
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St Joseph Central, Ironton

Ms Monica R Hodges Grade 10 <i>Project Title: Does physical exercise affect memory retention, if so, are age and gender factors to determine this?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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St Jude, Cincinnati

Mr Michael E Ostendorf OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: *The difference in performance characteristics between wooden and aluminum arrows*

Ms Natalie M Phipps OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Team
Project Title: *The effects of different hand washing procedures on removing germs from hands*

Ms Katie L Spurlock OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Team
Project Title: *The effects of different hand washing procedures on removing germs from hands*

St Jude, Elyria

Ms Claire M Miller OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: *Power for performance*

Ms Danielle L Nagy OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Individual
Project Title: *The effect of different liquids on human teeth*

Ms Marie E Vasitas OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Auxin: The green thumb of nature's helping hand*

Ms Sarah A Ziegelmeyer OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Individual
Project Title: *Heat transfer's role in baking cookies*

St Louis, Louisville

Ms Amanda J Vincent OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Which invasive plant, thistle, cattail or teasel is the best source of biomass?*

St Louis ES, Owensville

Ms Leeanna S David OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Insulation performance: Waste material versus traditional*

St Louis ES, Owensville

Ms Emma R Mullins	OAS AWARD	Sponsored Awards -if any
Grade 08 Project Type: Individual	Excellent	
<i>Project Title: What's in this water? Measuring water turbidity with a Nephelometer</i>		

Mr Keane W Reed	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Superior	
<i>Project Title: Rocket attitude</i>		

St Mary, Cincinnati

Ms Mary A Conte	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	
<i>Project Title: Are goldfish more active living together or apart?</i>		

Mr Luke N Steinbrunner	OAS AWARD	Sponsored Awards -if any
Grade 08 Project Type: Individual	Excellent	
<i>Project Title: Determining the effectiveness of eradicating agents on skunk odor</i>		

St Mary, Delaware

Ms Hannah C Hess	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Superior	
<i>Project Title: How does eyesight affect your balance?</i>		

Ms Hannah M Mandic-Nowac	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Superior	
<i>Project Title: Do gas stations affect the soil?</i>		

St Mary, Lancaster

Ms Allison N McCrady	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	
<i>Project Title: Tectonic plates and earthquakes</i>		

St Mary, Marietta

Mr Logan A Arnold	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	
<i>Project Title: What is the effect of nitrogen on plant growth?</i>		

Ms Maggie B Chwalek	OAS AWARD	Sponsored Awards -if any
Grade 08 Project Type: Individual	Excellent	
<i>Project Title: Which lotion absorbs the most moisture?</i>		

St Mary, Marietta

Ms Emma T Martin OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual 032 1ST
Project Title: *Lighting and how it affects plant growth*

Mr Andrew M Nill OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Golf ball performance: Does heat equal feet?*

Ms Lucia M Picciano OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Which hand cleanser gets the most germs off your hands?*

Ms Jillian M Schwendeman OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What do you trust when it comes to keeping food fresh?*

Ms Haley A Yeomans OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The ionic foot bath: Healthy or hoax?*

St Mary, St Clairsville

Ms Bond N Weidman OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Can bacteria contaminate a petri dish in one second?*

St Mary Central, Martins Ferry

Ms Micaela O Connors OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What is in your wallet? A comparative analysis of bacteria in men's and women's wallets*

Mr Malik R Ford OAS AWARD Good Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Is your breakfast cereal healthy?*

Ms Sydney M Helms OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *MSG: Is the flavor worth the health risk?*

St Mary Central, Martins Ferry

Ms Megan M Kirkpatrick OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *What pain reliever has the fastest dissolution time?*

Ms Halli M Richards OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 158 3RD
Project Title: *Can a gel electrophoresis chamber be made at home and used to examine the molecular makeup of food*

St Michael, Worthington

Mr Andrew M Barlage OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does the surface temperature of a solar panel affect its power output?*

Mr Nathan DePalma OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How does the ground surface affect bounce height?*

Mr Nicholas C Joseph OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Do organic or inorganic fertilizers make a plant grow larger?*

St Patrick, Bryan

Mr Matthew R Tisovic OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Which insulation keeps things hot/cold better: Fiberglass or cellulose?*

St Patrick, Hubbard

Ms Katie D Conlan OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Putting wind to work*

Ms Gabriella M Hosack OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Surface tension with bubbles*

Mr Joseph M Sebest OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Sound isolation properties of different materials*

St Patrick Of Heatherdowns, Toledo

Mr Vincent J Betori OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: Kickball

Ms Amanda L Cunningham OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: The buoyancy of a cue ball in different solutions

Ms Jenny H Kim OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: Get a cool fizzy can of pop - Fast!

Ms Celina M Nowicki OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: Which lotion retains the most moisture?

Ms Rachel D Thees OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Individual
Project Title: Which stain remover works best?

St Paul, N Canton

Ms Caitlin N Baron OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Individual
Project Title: How does the price of chicken compare to the weight change after cooking?

Ms Kristin E Piciacchia OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: Which light bulb creates the most sky glow?

Mr Karan S Dewan OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Team
Project Title: How does increasing the chord length of a propeller affect its efficiency?

Mr Krish C Dewan OAS AWARD Sponsored Awards -if any
Excellent
Grade 08 Project Type: Team
Project Title: How does increasing the chord length of a propeller affect its efficiency?

St Paul, N Canton

Ms Alyssa C Peterson OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Team
Project Title: *Which liquid washes away lipstick the fastest?*

Ms Joesie R Schmotzer OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Team
Project Title: *Which liquid washes away lipstick the fastest?*

St Paul, Westerville

Mr Aron S Aziz OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Stealth technology: The science of radar*

Ms Ali M Baird OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: *Do you frown when your apples turn brown?*

Mr Daniel D Cirino OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *The rooftop cargo carrier: An aerodynamic disaster*

Mr Casey M Culhane OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: *Which form of orange juice gives you more vitamin C?*

Mr Brian P Doney OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *How do intervals of light affect plant growth?*

Mr Benjamin K Dumm OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *The finer the faster: Does the particle size of salt affect the melting rate of ice?*

Mr Jacob R Erwin OAS AWARD Sponsored Awards -if any
Good
Grade 07 Project Type: Individual
Project Title: *Do household cleaners kill common household bacteria?*

St Paul, Westerville

Ms Caroline R Ford Grade 08 Project Type: Individual <i>Project Title: Which juice jives?</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Matthew R Gardner Grade 08 Project Type: Individual <i>Project Title: Ice or water?</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Gabriel M Gaudoin-Perry Grade 08 Project Type: Individual <i>Project Title: Spatter: Why does it matter?</i>	OAS AWARD Excellent	Sponsored Awards -if any
Ms Abby M Julian Grade 07 Project Type: Individual <i>Project Title: Which levee is the strongest?</i>	OAS AWARD Excellent	Sponsored Awards -if any 061 2ND
Mr Brendan M King Grade 08 Project Type: Individual <i>Project Title: Effect of light intensity on solar cell output</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Keagan G Lipak Grade 08 Project Type: Individual <i>Project Title: Does the amount of blades really matter?</i>	OAS AWARD Superior	Sponsored Awards -if any
Ms Maura K McCabe Grade 08 Project Type: Individual <i>Project Title: Planting depth - Does it really matter?</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Ryan P Meder Grade 08 Project Type: Individual <i>Project Title: Invisible energy</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Tyler A Moon Grade 08 Project Type: Individual <i>Project Title: Lights..plants..action!</i>	OAS AWARD Excellent	Sponsored Awards -if any

St Paul, Westerville

Mr David R Parkhill
Grade 08 Project Type: Individual
Project Title: Wing it!

OAS AWARD
Superior

Sponsored Awards -if any

Mr Troy R Plewa
Grade 08 Project Type: Individual
Project Title: Bigger the counterweight, farther it flies

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Katelyn M Pollock
Grade 08 Project Type: Individual
Project Title: Think before you drink

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Juliann A Roche
Grade 07 Project Type: Individual
Project Title: Which tea for me?

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Alyssa G Sherman
Grade 08 Project Type: Individual
Project Title: Does color affect memory?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Samantha M Vincent
Grade 07 Project Type: Individual
Project Title: The Mozart effect: Fact or fiction

OAS AWARD
Superior

Sponsored Awards -if any

Mr Kyle J Witt
Grade 08 Project Type: Individual
Project Title: Conducting heat: What can't be beat?

OAS AWARD
Superior

Sponsored Awards -if any

St Peter, Canton

Ms Isabella M Grossi
Grade 07 Project Type: Individual
Project Title: Is bottled water worth it?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Joseph D Moeglin
Grade 07 Project Type: Individual
Project Title: Water refraction

OAS AWARD
Excellent

Sponsored Awards -if any

St Peter, Huber Hts

Mr Phillip J Brucken OAS AWARD Good Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Trebuchet: Will more counterweight throw the ball farther?*

Ms Paula K Wells OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual 139 HM
Project Title: *An evaluation of ethanol as an alternative fuel*

St Peter, Mansfield

Ms Olivia W Kastelic OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *How age impacts the ability to hear high frequency sound*

Ms Katherine G Kowalski OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: *Experiments in human vision*

St Peter Chanel, Bedford

Mr John C Boykin OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual 058 1ST 0 61 2ND 080 2ND 106
Project Title: *Can recycled plastics be used to reduce landfill waste, help improve the infrastructure of buildings, roads, highways and bridges and reduce greenhouse gas?*

St Raphael, Bay Village

Harold C. Shaw Outstanding School Award

Ms Leigh Ann Fairley OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *The effect of blade length on wind turbine power generation*

Mr Benny T Gabanic OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Need a lift?*

Mr Mitchell K Pallaki OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Individual
Project Title: *Let the sun shine in: the effect of solar panel direction on energy production*

St Raphael, Bay Village

Ms Paige E Rogozinski
Grade 06 Project Type: Individual
Project Title: *Watch this run: Permanent marker vs solvents*

OAS AWARD
Superior

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any

St Rita, Dayton

Mr Brandon T Hogg
Grade 07 Project Type: Individual
Project Title: *Do probiotics and honey fight against bacteria or help it?*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Grace R Klosterman
Grade 07 Project Type: Individual
Project Title: *Does growing plants hydroponically make them grow faster?*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Laura C Springman
Grade 07 Project Type: Individual
Project Title: *Tasty dreams: Does food affect dreams?*

OAS AWARD
Good

Sponsored Awards -if any
028 3RD

St Rose, Perrysburg

Ms Sophia M Brodin
Grade 07 Project Type: Individual
Project Title: *Nutty energy! Which type of nut provides the most energy?*

OAS AWARD
Superior

Sponsored Awards -if any

Mr Kevin J Brown
Grade 07 Project Type: Individual
Project Title: *Yeast reproduction in sugar substitutes*

OAS AWARD
Superior

Sponsored Awards -if any

St Susanna, Mason

Ms Alora R Contant
Grade 07 Project Type: Individual
Project Title: *What natural materials best remove the turbidity from stream water?*

OAS AWARD
Good

Sponsored Awards -if any

Mr Austin J Cummings
Grade 07 Project Type: Individual
Project Title: *In what environment do crystals form quickest?*

OAS AWARD
Superior

Sponsored Awards -if any

St Susanna, Mason

Ms Emily C Nash Grade 07 <i>Project Title: Which generates the most phantom power?</i>	OAS AWARD Good	Sponsored Awards -if any
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Mr Alexander Gebhardt Grade 07 <i>Project Title: Changing the viscosity of oil</i>	OAS AWARD Superior	Sponsored Awards -if any 139 3RD
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Mr Connor B Hanson Grade 07 <i>Project Title: Changing the viscosity of oil</i>	OAS AWARD Superior	Sponsored Awards -if any 139 3RD
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Ms Anna E Hecht Grade 07 <i>Project Title: Thermal mass effect on a solar heater</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Lauren M Wilkins Grade 07 <i>Project Title: Thermal mass effect on a solar heater</i>	OAS AWARD Excellent	Sponsored Awards -if any
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St Thomas More, Cincinnati

Ms Emily E Anno Grade 07 <i>Project Title: Which kills more bacteria soap or hand sanitizer?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Ms Olivia M Witt Grade 07 <i>Project Title: Which kills more bacteria soap or hand sanitizer?</i>	OAS AWARD Superior	Sponsored Awards -if any
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St Timothy, Columbus

Ms Maggie A Belcher Grade 07 <i>Project Title: Is a dog's mouth cleaner than a humans?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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St Vincent St Mary, Akron

Ms Hannah L Comeriato
Grade 10 Project Type: Individual
Project Title: Mass vs acceleration

OAS AWARD
Superior

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any

Mr John C Friess

Grade 10 Project Type: Individual
Project Title: Encapsulating an antimicrobial silver complex into polymer fibers

OAS AWARD
Superior

Sponsored Awards -if any
059 3RD 200 SCH

Ms Renee M Horn

Grade 12 Project Type: Individual
Project Title: What surfaces do cartilage cells thrive upon?

OAS AWARD
Superior

Sponsored Awards -if any

Mr Kindelan A Huber

Grade 12 Project Type: Individual
Project Title: The degradation of poly beta-alanoids by Subtilisin

OAS AWARD
Superior

Sponsored Awards -if any
011 5ALT 080 2ND 134 HM

Mr Jonathon J Stone

Grade 11 Project Type: Individual
*Project Title: DNA extraction and analysis of sugar maple tree (*Acer saccharum* Marsh)*

OAS AWARD
Excellent

Sponsored Awards -if any
175 HM

Ms Devin M Sutter

Grade 11 Project Type: Individual
Project Title: The permanency of permanent markers

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Abigail M Tanner

Grade 12 Project Type: Individual
Project Title: The concentration of PEO in PEO/PVA nanofiber blends to obtain a constant dissolution rate of fluorescein dye over time

OAS AWARD
Superior

Sponsored Awards -if any
011 4ALT 195 2ND

Mr Vincenzo G Volpe

Grade 09 Project Type: Individual
Project Title: The effects of humidity on Coleus propagation

OAS AWARD
Superior

Sponsored Awards -if any
032 1ST 209 1ST

Ms Olivia G Walter

Grade 12 Project Type: Individual
Project Title: Maximizing sound attenuation in aerogels by altering the aerogel properties

OAS AWARD
Superior

Sponsored Awards -if any

St Xavier, Cincinnati

Mr Nicholas R Barnett OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Individual Good
Project Title: pH's effect of the growth of yeast

Mr Scott A Cupito OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Superior
Project Title: Water treatment plants: Impact on the Little Miami River

Mr Jonathan Hess OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Superior 133 1ST
Project Title: Do you have a clue? Does your water fountain have swine flu?

Mr Benjamin R Krzmarzick OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Superior 133 1ST
Project Title: Do you have a clue? Does your water fountain have swine flu?

Mr Steven E Schmidt OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Superior
Project Title: Water treatment plants: Impact on the Little Miami River

Start HS, Toledo

Mr Matthew S Hyttenhove OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Good
Project Title: What is the water quality of two urban ponds?

Ms Sarah E Scisson OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Good
Project Title: What is the water quality of two urban ponds?

Stivers School for the Arts HS, Dayton

Mr Toni S Newman OAS AWARD Sponsored Awards -if any
Grade 10 Project Type: Individual Excellent 079 4TH
Project Title: The biggest bubble

Sts Philip & James, Canal Fulton

Ms Lauren G Stover OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *What is the effect of different liquids on plant growth?*

Studebaker MS, Huber Hts

Mr Steven G Anderson OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Germ shield: effectiveness of antibacterial soap vs. bar soap*

Mr Alexander J Lyons OAS AWARD Excellent Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: *Bacteria bonanza*

Sycamore HS, Cincinnati

Mr Erik L Bao OAS AWARD Superior Sponsored Awards -if any
Grade 10 Project Type: Individual 036 HM
Project Title: *Oncogenes and tumor suppressor genes: Biomarkers for lung cancer*

Ms Rashmi Borah OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual
Project Title: *Enhancement of TiO₂-coated nanocrystalline solar cell efficiency through organic dyes*

Mr Ravi U Sheth OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 159 1st
Project Title: *Molecular dynamics simulations of Gramicidin A at extreme temperatures*

Mr John W Brooker OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Team
Project Title: *Interrelations and comparison of Echinacea concentrates to clinical antibiotics*

Ms Beth T Morand OAS AWARD Excellent Sponsored Awards -if any
Grade 12 Project Type: Team 034 2ND
Project Title: *Tasteful-ee simple*

Ms Dorian J Patterson OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Team 080 HM
Project Title: *Identification of EPT species: Morphologically vs genetic DNA barcoding*

Sycamore HS, Cincinnati

Ms Kylie P Rook OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Excellent 034 2ND
Project Title: Tasteful-ee simple

Mr Samuel J Sohlden OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Superior 041 1ST 080 3RD
Project Title: The optimization of a microbial fuel cell

Mr Cody S Sparks OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Superior 080 HM
Project Title: Identification of EPT species: Morphologically vs genetic DNA barcoding

Mr Trevor J Thomas OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Superior
Project Title: Interrelations and comparison of Echinacea concentrates to clinical antibiotics

Mr Damien N Walsh OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Superior 041 1ST 080 3RD
Project Title: The optimization of a microbial fuel cell

Sylvania Franciscan Academy, Sylvania

Ms Sydney A Audet OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: pH and pothos plants

Mr Bailey G Leggett OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Superior 139 HM
Project Title: Gasoline, E85 and asphalt

Mr Hunter G Leggett OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Superior
Project Title: The wonderful world of windows

Ms Sarah E Long OAS AWARD Sponsored Awards -if any
Grade 07 Project Type: Individual Excellent
Project Title: Temperature effect on conductivity of metals

Sylvania Southview HS, Sylvania

Harold C. Shaw Outstanding School Award

Mr Samuel Chang
 Grade 10 Project Type: Individual
 Project Title: *The effects of a copper coil electromagnet within a ceramic magnet to produce an efficient method of neutralizing a magnetic field*
OAS AWARD
 Superior
Sponsored Awards -if any

Ms Merissa Chiu
 Grade 11 Project Type: Individual
 Project Title: *The effects of isoflavone on the growth of prostate cancer cells in a prostate cancer cell line*
OAS AWARD
 Superior
Sponsored Awards -if any
 018 2ND 032 1ST 034 1ST

Ms Ibtissam M Gad
 Grade 11 Project Type: Individual
 Project Title: *The effectiveness of the solar water disinfection method on Escherichia coli at low temperatures*
OAS AWARD
 Superior
Sponsored Awards -if any
 061 1ST 072 HM 080 1ST

Ms Smriti Gupta
 Grade 10 Project Type: Individual
 Project Title: *Efficiency of varied dye-sensitized solar cells under multiple light wavelengths*
OAS AWARD
 Superior
Sponsored Awards -if any
 080 3RD 142 SCH

Mr Brian B Haidet
 Grade 10 Project Type: Individual
 Project Title: *The conductivity of plasmas of different elements*
OAS AWARD
 Superior
Sponsored Awards -if any

Ms Angela A Li
 Grade 11 Project Type: Individual
 Project Title: *The effect of trace elements on the Staebler-Wronski effect on amorphous silicon solar cells*
OAS AWARD
 Excellent
Sponsored Awards -if any
 175 1ST

Mr Austen A Mance
 Grade 10 Project Type: Individual
 Project Title: *The effects of computer motherboard capacitor design on computer performance*
OAS AWARD
 Superior
Sponsored Awards -if any
 142 SCH

Ms Lee Ann Song
 Grade 11 Project Type: Individual
 Project Title: *Developing a model cell line to study the subcellular localization of C/EBPa in prostate cancer cells*
OAS AWARD
 Superior
Sponsored Awards -if any
 132 SCH 171 1ST

Ms Alison L Yang
 Grade 11 Project Type: Individual
 Project Title: *Investigating the mechanisms of the plasticizer DEHP inducing aneuploidy*
OAS AWARD
 Superior
Sponsored Awards -if any
 001 SCH

Taft ES, Ashland

Mr Eric Attle	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Individual		
Project Title: <i>Corrosion: How different acids affect it</i>		

Thomas Worthington HS, Worthington

Ms Maria T Amaya	OAS AWARD	Sponsored Awards -if any
Grade 09	Superior	209 1ST
Project Type: Individual		
Project Title: <i>Dendrochronology</i>		

Ms Grace K Putka	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	031 1ST 142 SCH
Project Type: Individual		
Project Title: <i>Preserving vitamin C: Which type of orange juice container protects the most?</i>		

Mr Robert W Radloff	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	
Project Type: Individual		
Project Title: <i>Temperature and a quantum random number generator</i>		

Mr Garrett J Vander Stouw	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	169 1st
Project Type: Individual		
Project Title: <i>Indian preservatives? The effects of capsaicin, tumeric, and cardamom on bacterial growth</i>		

Ms Katie Xu	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Individual		
Project Title: <i>Testing different types of mitogen for chromosome growth</i>		

Ms Bianca B Beavers	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Team		
Project Title: <i>Variety of colored chocolate candies versus single colored chocolate candies</i>		

Ms Helen J Chen	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	
Project Type: Team		
Project Title: <i>The effect of the type of sugar on yeast metabolism in aerobic and anaerobic conditions</i>		

Ms Megan Insley	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	214 SCH 142 SCH
Project Type: Team		
Project Title: <i>Quick dry effectiveness</i>		

Thomas Worthington HS, Worthington

Ms Desi E Jones OAS AWARD Sponsored Awards -if any
Excellent
Grade 10 Project Type: Team
Project Title: The effect of the type of sugar on yeast metabolism in aerobic and anaerobic conditions

Ms Amy C Mo OAS AWARD Sponsored Awards -if any
Excellent
Grade 10 Project Type: Team
Project Title: Variety of colored chocolate candies versus single colored chocolate candies

Ms Anja R Odegaard OAS AWARD Sponsored Awards -if any
Excellent
Grade 10 Project Type: Team
Project Title: Taking control of your happiness

Mr Akhil Patel OAS AWARD Sponsored Awards -if any
Superior 214 SCH 142 SCH
Grade 10 Project Type: Team
Project Title: Quick dry effectiveness

Ms Lauryn D Rabold OAS AWARD Sponsored Awards -if any
Excellent
Grade 10 Project Type: Team
Project Title: Variety of colored chocolate candies versus single colored chocolate candies

Ms Shweta Ravi OAS AWARD Sponsored Awards -if any
Superior 142 SCH
Grade 10 Project Type: Team
Project Title: The inhibitory effect gamma-mangostin on human oral cancer cells

Ms Emma K Sparks OAS AWARD Sponsored Awards -if any
Excellent
Grade 10 Project Type: Team
Project Title: The effect of the type of sugar on yeast metabolism in aerobic and anaerobic conditions

Mr Drew Taylor OAS AWARD Sponsored Awards -if any
Superior 214 SCH 142 SCH
Grade 10 Project Type: Team
Project Title: Quick dry effectiveness

Ms Heather Wang OAS AWARD Sponsored Awards -if any
Superior 142 SCH
Grade 10 Project Type: Team
Project Title: The inhibitory effect gamma-mangostin on human oral cancer cells

Thomas Worthington HS, Worthington

Ms Victoria B Zavodischer OAS AWARD Sponsored Awards -if any
Grade 10 Project Type: Team Excellent
Project Title: Taking control of your happiness

Thurgood Marshall HS, Dayton

Mr Emory J Beck-Millerton OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Individual Superior 195 3RD
Project Title: Atomic composition of carbon nanopearls

Ms Jhaelynn N Elam OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Individual Excellent 032 3RD 169 HM
Project Title: The effect of temperature on the growth of bacteria and thawing of meats

Mr Joshua M Lower OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Individual Superior 142 SCH
Project Title: Refraction action

Mr Richard D Melson OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Individual Superior 058 3RD 067 1ST 106 3SCH
Project Title: Non-destructive evaluation

Ms Eliza T Straughter OAS AWARD Sponsored Awards -if any
Grade 10 Project Type: Individual Excellent
Project Title: Acid or alkali? Testing with cabbage

Tinora HS, Defiance

Mr Connor D Behringer OAS AWARD Sponsored Awards -if any
Grade 09 Project Type: Individual Excellent
Project Title: Does the shape of an ice cube affect melting times

Ms Alicia M Meyer OAS AWARD Sponsored Awards -if any
Grade 09 Project Type: Individual Superior 032 2ND 050 HM
Project Title: Does adding a FASTRACK™ feed supplement to a Holstein heifer calf's dietary plan affect the weight gain of a Holstein heifer calf?

Tinora HS, Defiance

Ms Dominique N Rosebrook OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: Which brand of diapers absorbs the most moisture?

Ms Hannah B Scheppler OAS AWARD Good Sponsored Awards -if any
Grade 09 Project Type: Individual 034 2ND
Project Title: How does protein and carbohydrate intake affect the blood sugar of a diabetic?

Ms Erica R Smay OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: Does smell affect taste?

Tinora JS, Defiance

Ms Andrea M Marshall OAS AWARD Excellent Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: Does hair color effect your intelligence?

Mr Nate S Olson OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: The effects of common acidic liquids on ferrous and non-ferrous metals

Tippecanoe HS, Tipp City

Harold C. Shaw Outstanding School Award

Mr Andrew N Abboud OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual 012 SCH 132 SCH 148 1ST
Project Title: The effect of germicidal ultraviolet radiation (UV-C) on catalase enzyme activity in staphylococcus epidermis and in vitro

Mr Christopher R Bruening OAS AWARD Superior Sponsored Awards -if any
Grade 12 Project Type: Individual 023 1ST
Project Title: Effects of different ions on the electrolysis of water

Mr Steven R Chaney OAS AWARD Superior Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: Water bridge

Tippecanoe HS, Tipp City

Ms Alexandra E Robbins
Grade 11 Project Type: Individual
Project Title: *Women's multivitamin solubility*
OAS AWARD
Excellent

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any
034 3RD

Ms Briana P Schultz
Grade 12 Project Type: Individual
Project Title: *Memory characteristic of nitinol metal*
OAS AWARD
Superior

Sponsored Awards -if any

Ms Hannah G Walker
Grade 10 Project Type: Individual
Project Title: *Natural dyes*
OAS AWARD
Superior

Sponsored Awards -if any

Tippecanoe MS, Tipp City

Mr Thomas P Chaney
Grade 06 Project Type: Individual
Project Title: *Effect of color on solar panel*
OAS AWARD
Superior

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any

Ms Kyla I Jones
Grade 07 Project Type: Individual
Project Title: *Heat transfer of a house*
OAS AWARD
Superior

Sponsored Awards -if any
067 1ST

Ms Samantha P Rowland
Grade 06 Project Type: Individual
Project Title: *Who produces more odor causing bacteria, boys or girls?*
OAS AWARD
Superior

Sponsored Awards -if any

Ms Elizabeth R Walker
Grade 08 Project Type: Individual
Project Title: *How healthy are Ohio's vernal pools?*
OAS AWARD
Superior

Sponsored Awards -if any
030 5TH 136 HM

Toledo Islamic Academy HS, Sylvania

Ms Salma O Abu-Yasein
Grade 09 Project Type: Individual
Project Title: *Beam shape and effect*
OAS AWARD
Excellent

Sponsored Awards -if any
053 1ST

Toledo Islamic Academy HS, Sylvania

Mr Mohamad J Kanan OAS AWARD Superior Sponsored Awards -if any
Grade 07 Project Type: Individual
Project Title: What type of common gas has a highest concentration of carbon dioxide

Ms Walaa J Kanan OAS AWARD Excellent Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Can ice and snow be insulators?

Ms Maryam B Muhammad OAS AWARD Excellent Sponsored Awards -if any
Grade 10 Project Type: Individual
Project Title: The effectiveness of hand sanitizer on bacteria

Mr Rayan Muhsen OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual 072 HM
Project Title: Nip the drip

Mr Sulaiman M Mustapha OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual
Project Title: Bounce: A novel way of preventing car crashes

Mr Saad S Rashid OAS AWARD Superior Sponsored Awards -if any
Grade 05 Project Type: Individual
Project Title: Does music affect heart rate?

Ms Rana W Youssef OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: Can you substitute baking soda with baking powder in a recipe?

Ms Sara W Youssef OAS AWARD Superior Sponsored Awards -if any
Grade 06 Project Type: Team
Project Title: Can you substitute baking soda with baking powder in a recipe?

Tower Heights MS, Centerville

Mr Cameron M Crasto OAS AWARD Superior Sponsored Awards -if any
Grade 08 Project Type: Individual 028 3RD
Project Title: Don't lie to me!

Trinity Lutheran, Toledo

Mr Hunter C Hayes	OAS AWARD	Sponsored Awards -if any
Grade 08 Project Type: Individual	Excellent	079 HM
<i>Project Title: Groovy glow sticks</i>		

Trotwood-Madison HS, Trotwood

Ms Asha J Wooten	OAS AWARD	Sponsored Awards -if any
Grade 11 Project Type: Individual	Good	
<i>Project Title: Is earlier more comprehensive sex education our key?</i>		

Turpin HS, Cincinnati

Ms Katherine E Graham	OAS AWARD	Sponsored Awards -if any
Grade 11 Project Type: Individual	Excellent	211 SCH
<i>Project Title: Resistance of Staphylococcus aureus to antibiotics</i>		

Ms Hannah R Zimmerman	OAS AWARD	Sponsored Awards -if any
Grade 12 Project Type: Individual	Superior	
<i>Project Title: Putting paper to the test: Which type of recycled paper is the strongest?</i>		

Ms Caroline R Dahlem	OAS AWARD	Sponsored Awards -if any
Grade 12 Project Type: Team	Superior	133 1ST
<i>Project Title: Investigating potential treatments of a zebrafish model of Parkinson's disease</i>		

Ms Hanna N Dasenbrock	OAS AWARD	Sponsored Awards -if any
Grade 12 Project Type: Team	Superior	133 1ST
<i>Project Title: Investigating potential treatments of a zebrafish model of Parkinson's disease</i>		

Ms Rachel R Hackle	OAS AWARD	Sponsored Awards -if any
Grade 11 Project Type: Team	Superior	159 1st
<i>Project Title: Do you hear what I hear?</i>		

Ms Julianna R Kluger	OAS AWARD	Sponsored Awards -if any
Grade 11 Project Type: Team	Superior	159 1st
<i>Project Title: Do you hear what I hear?</i>		

Mr Alex D Niehaus	OAS AWARD	Sponsored Awards -if any
Grade 12 Project Type: Team	Excellent	
<i>Project Title: The effect of water pollution on dinoflagellate bioluminescence</i>		

Turpin HS, Cincinnati

Mr John M Wynn OAS AWARD Sponsored Awards -if any
Excellent
Grade 12 Project Type: Team
Project Title: *The effect of water pollution on dinoflagellate bioluminescence*

Tuscarawas Valley HS, Zoarville

Ms Ashley M Cipar OAS AWARD Sponsored Awards -if any
Excellent
Grade 11 Project Type: Individual
Project Title: *Penetration of ammunition*

Mr Tyler D Kubina OAS AWARD Sponsored Awards -if any
Superior 145 2ND 1 71 1ST 187 1ST 142 SCH
Grade 11 Project Type: Individual
Project Title: *Identification of human pathogens in commercially available cigarettes*

Mr Jamie L Walter OAS AWARD Sponsored Awards -if any
Excellent
Grade 09 Project Type: Individual
Project Title: *The absorption of re-emission of radiant energy by different colors*

Tuscarawas Valley MS, Zoarville

Mr Julian H Levengood OAS AWARD Sponsored Awards -if any
Superior 080 3RD 090 1ST 091 1ST
Grade 07 Project Type: Individual
Project Title: *Algal biofuels: Determining the most economical species of algae*

Ms Allison T Picard OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Steal from a stranger?*

Mr Dalton E Sprowl OAS AWARD Sponsored Awards -if any
Superior
Grade 08 Project Type: Individual
Project Title: *Insulation sophistication - The reality behind the Pink Panther*

Upper Arlington HS, Upper Arlington

Mr Ameya A Deshmukh OAS AWARD Sponsored Awards -if any
Excellent 188 2ND
Grade 11 Project Type: Individual
Project Title: *Rational drug design methods for the identification of novel negative allosteric modulators of a4b2 nicotinic receptors*

Upper Arlington HS, Upper Arlington

Ms Kaitlin A Ford OAS AWARD Superior Sponsored Awards -if any
028 1ST
Grade 10 Project Type: Individual
Project Title: *Yoga's effect on the cognitive process of concentration*

Ms Ellen R Herd OAS AWARD Superior Sponsored Awards -if any
041 2ND
Grade 09 Project Type: Individual
Project Title: *The efficacy of various hand washing agents on the inhibiting of growth of E. coli bacteria*

Mr David JR Lee OAS AWARD Excellent Sponsored Awards -if any
Grade 11 Project Type: Individual
Project Title: *Performance of analytical and intuitive decision makers*

Ms Yelee Lee OAS AWARD Superior Sponsored Awards -if any
134 HM 14 8 2ND 158 1st
Grade 11 Project Type: Individual
Project Title: *The effect of fluvastatin on OS-17 and Rh-30 cell lines*

Mr Jack Li OAS AWARD Excellent Sponsored Awards -if any
Grade 09 Project Type: Individual
Project Title: *Browser battle of 2010*

Ms Yuchen J Lin OAS AWARD Superior Sponsored Awards -if any
075 HM 132 SCH 148 2ND
Grade 12 Project Type: Individual
Project Title: *RNA oxidation: A potential contributing factor to neuronal death?*

Mr Nathan M Lord OAS AWARD Superior Sponsored Awards -if any
208 1ST 212 1ST
Grade 12 Project Type: Individual
Project Title: *Development of simple avionic stabilization*

Ms Leah S Minor OAS AWARD Excellent Sponsored Awards -if any
195 1ST
Grade 09 Project Type: Individual
Project Title: *Hearing restoration using carbon nanotube technology to replace damaged Cochlear hairs in the inner ear*

Mr Nick A Mohr OAS AWARD Excellent Sponsored Awards -if any
058 2ND 106 2SCH
Grade 10 Project Type: Individual
Project Title: *Testing fencing foils for fatigue life measured in bouts*

Upper Arlington HS, Upper Arlington

Ms Manjari Randeria OAS AWARD Sponsored Awards -if any
Grade 10 Project Type: Individual Excellent
Project Title: Finding the structure of a protein: Testing a new paramagnetic tag on E. coli protein GB1 by solution NMR

Mr David Shen OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Individual Superior
Project Title: Developing a detection method for Sudan red in foodstuffs

Mr Brian A Yuh OAS AWARD Sponsored Awards -if any
Grade 09 Project Type: Individual Superior 142 SCH
Project Title: Safety study of common body piercing metallic devices in magnetic resonance imaging

Mr Kevin A Yuh OAS AWARD Sponsored Awards -if any
Grade 10 Project Type: Individual Superior 212 2ND
Project Title: Designing a Reed-Solomon encoder and decoder for forward error correction of files

Ms Jean Choi OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Superior 080 3RD
Project Title: An investigation of potassium ferrate as a biocide against Escherchia coli and Bacillus thuringiensis

Mr Jeffery A Clark OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Excellent 185 HM
Project Title: Strength of MakerBot produced materials

Ms Katrin E Daehn OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Excellent 185 HM
Project Title: Strength of MakerBot produced materials

Ms Gabriella E Gegenheimer OAS AWARD Sponsored Awards -if any
Grade 12 Project Type: Team Superior 080 3RD
Project Title: An investigation of potassium ferrate as a biocide against Escherchia coli and Bacillus thuringiensis

Mr Michael L Huntley OAS AWARD Sponsored Awards -if any
Grade 11 Project Type: Team Excellent
Project Title: Oxyhemoglobin response to two week intense swim training prior to competition in high school males

Upper Arlington HS, Upper Arlington

Mr John D Lowrey	OAS AWARD	Sponsored Awards -if any
Grade 12	Excellent	
Project Type: Team		
<i>Project Title: Oxyhemoglobin response to two week intense swim training prior to competition in high school males</i>		

Upper Sandusky HS, Upper Sandusky

Ms Theresa G D'Ettorre	OAS AWARD	Sponsored Awards -if any
Grade 11	Superior	
Project Type: Individual		
<i>Project Title: Innovation of a knee brace designed to reverse the effects of arthrogenic muscle inhibition</i>		

Ms Catherine E Lok	OAS AWARD	Sponsored Awards -if any
Grade 10	Superior	
Project Type: Individual		
<i>Project Title: Does hand sanitizer cause the evolution and resistance of bacteria</i>		

Ms Haley M Miller	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	169 HM
Project Type: Individual		
<i>Project Title: How much energy is stored in different foods?</i>		

Ms Elyse A Scheck	OAS AWARD	Sponsored Awards -if any
Grade 11	Excellent	175 1ST
Project Type: Individual		
<i>Project Title: Breast milk vs formula</i>		

Ms Corinne E Shaul	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	148 2ND
Project Type: Individual		
<i>Project Title: Exposure to radiation in tanning beds</i>		

Utica HS, Utica

Ms Madison A Murnane	OAS AWARD	Sponsored Awards -if any
Grade 10	Excellent	034 1ST
Project Type: Individual		
<i>Project Title: School lunch sleuth: Testing cafeteria foods for fat, sugar and protein</i>		

Valley Forge ES, Huber Hts

Ms Shannon M Masters	OAS AWARD	Sponsored Awards -if any
Grade 05	Superior	079 HM
Project Type: Individual		
<i>Project Title: Oceans as Alternative Energy: Generating electricity from salt</i>		

Valley View MS, Germantown

Mr Jared K Brown	OAS AWARD	Sponsored Awards -if any
Grade 06 Project Type: Individual	Superior	
<i>Project Title: The properties and power of light</i>		

Village Academy, Powell

Ms Madeline R Fuller	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Superior	
<i>Project Title: A study of multitasking: Hey y'all, can you do it all?</i>		

Mr J. Reed McGraw	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Superior	148 2ND
<i>Project Title: Don't forget your memorall: A study of cognitive enhancement</i>		

Mr Ryan O McLoughlin	OAS AWARD	Sponsored Awards -if any
Grade 07 Project Type: Individual	Excellent	046 HM
<i>Project Title: The cleanest eyes: A study of the effectiveness of contact solution</i>		

Wadsworth HS, Wadsworth

Mr Andrew D Auffenberg	OAS AWARD	
Grade 10 Project Type: Individual	Excellent	
<i>Project Title: Effect of dimples on the height of a rocket</i>		

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any
159 1st 192 SCH

Mr Robert F Bouscher	OAS AWARD	Sponsored Awards -if any
Grade 10 Project Type: Individual	Superior	059 4TH 061 3RD
<i>Project Title: Using hydropower to transport water from an artesian well over various elevations for agricultural purposes</i>		

Mr Aaron N Crookes	OAS AWARD	Sponsored Awards -if any
Grade 10 Project Type: Individual	Superior	067 3RD 142 SCH
<i>Project Title: Lift vs drag</i>		

Mr Eddie J Duckworth	OAS AWARD	Sponsored Awards -if any
Grade 11 Project Type: Individual	Superior	185 1ST
<i>Project Title: Fuel cell frenzy</i>		

Wadsworth HS, Wadsworth

Mr Steven T Manning
Grade 11 Project Type: Individual
Project Title: Pharmaceutical showdown

OAS AWARD
Superior

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any

Walnut Hills HS, Cincinnati

Ms Natalie J Norman
Grade 08 Project Type: Individual
Project Title: Do digitalis-like compounds exist outside the figwort family

OAS AWARD
Superior

Sponsored Awards -if any
148 2ND

Mr Garretson M Oester
Grade 08 Project Type: Individual
Project Title: The insulating properties of natural materials

OAS AWARD
Excellent

Sponsored Awards -if any
058 2ND 106 2ND

Mr Kyle E Slagh
Grade 08 Project Type: Individual
Project Title: Hydrogen: The ultimate alternative

OAS AWARD
Superior

Sponsored Awards -if any

Mr John Simerlink
Grade 08 Project Type: Team
Project Title: Water rocket: Finding the most effective mass of thrust to mass of rocket ratio

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jonah J Vincent
Grade 08 Project Type: Team
Project Title: Water rocket: Finding the most effective mass to thrust to mass of rocket ratio

OAS AWARD
Excellent

Sponsored Awards -if any

Walnut Springs MS, Westerville

Ms Riley T Hammond
Grade 06 Project Type: Individual
Project Title: You run what you eat - Sports and complex carbohydrates

OAS AWARD
Good

Sponsored Awards -if any

Ms Anne C Hulthen
Grade 08 Project Type: Individual
Project Title: Battling bacteria: The effect of cleaning liquids on bacteria

OAS AWARD
Good

Sponsored Awards -if any

Washington ES, Niles

Mr Brendan A Busse	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Team		
<i>Project Title:</i> The effect of car washing detergent on plant and root growth		

Ms Kennedy R Stanko	OAS AWARD	Sponsored Awards -if any
Grade 05	Excellent	
Project Type: Team		
<i>Project Title:</i> The effect of car washing detergent on plant and root growth		

Waynesville HS, Waynesville

Mr Michael V Di Mascio	OAS AWARD	Sponsored Awards -if any
Grade 12	Superior	055 1ST 067 2ND 173 1ST
Project Type: Individual		
<i>Project Title:</i> Viability of a photoinduced electron spin alignment creating a magnetic event in a polymer		

West ES, Athens

Mr Noah A Clouse	OAS AWARD	Sponsored Awards -if any
Grade 05	Superior	
Project Type: Individual		
<i>Project Title:</i> Making an electric motor and generator to light a bulb		

Mr Derek C Demel	OAS AWARD	Sponsored Awards -if any
Grade 05	Superior	
Project Type: Individual		
<i>Project Title:</i> Which fan spins the fastest?		

West Geauga HS, Chesterland

Ms Karen A Kruzer	OAS AWARD	Sponsored Awards -if any
Grade 12	Superior	038 1ST 146 1ST 148 1ST
Project Type: Individual		
<i>Project Title:</i> Reducing troponin turnaround time through the application of Lean/Six Sigma processes and evaluating public response time to heart attack symptoms		

West Union HS, West Union

Mr Ryan M Bear	OAS AWARD	Sponsored Awards -if any
Grade 12	Excellent	
Project Type: Individual		
<i>Project Title:</i> The effects of lipids on saponification		

Mr Elijah B Bedel	OAS AWARD	Sponsored Awards -if any
Grade 08	Superior	136 1ST
Project Type: Individual		
<i>Project Title:</i> Snail islands: A study of boulder dwelling land snails		

West Union HS, West Union

Mr Adam D Foster **OAS AWARD** **Sponsored Awards -if any**
Grade 10 Superior 142 SCH
Project Type: Individual
Project Title: *North vs south: Determining whether small mammals prefer northern slopes or southern slopes during winter months*

Ms Kaylee A May **OAS AWARD** **Sponsored Awards -if any**
Grade 11 Excellent 213 SCH
Project Type: Individual
Project Title: *The effects of accelerating the oxidation of non galvanized steel nails*

Ms Erin R McCarty **OAS AWARD** **Sponsored Awards -if any**
Grade 12 Superior 079 2ND 090 1ST
Project Type: Individual
Project Title: *Manipulation of CEC and pH levels for optimal maize growth*

Western ES, Latham

Ms Abby L Montgomery **OAS AWARD** **Sponsored Awards -if any**
Grade 06 Excellent
Project Type: Individual
Project Title: *How does limestone affect the pH levels of acid rain?*

Wheelersburg MS, Wheelersburg

Ms Paige N Ballard **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Superior
Project Type: Individual
Project Title: *Can you replace baking soda with baking powder in baking?*

Ms Mary M Martin **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Superior
Project Type: Individual
Project Title: *Do bestselling adult, chapter or picture books contain the most contaminates?*

Mr Jeremy E McLaughlin **OAS AWARD** **Sponsored Awards -if any**
Grade 08 Excellent
Project Type: Individual
Project Title: *What aggregate makes the strongest concrete?*

Whetstone HS, Columbus

Mr Alburuj R Rahman **OAS AWARD** **Sponsored Awards -if any**
Grade 11 Excellent 033 2SCH
Project Type: Individual
Project Title: *A novel technique using IMRT for effective craniospinal irradiation for cancer treatment*

Whitmer HS, Toledo

Ms Janelle R Barron OAS AWARD Sponsored Awards -if any
Excellent
Grade 09 Project Type: Individual
Project Title: *Can people perform certain tasks with different volumes of music?*

Mr Kyle B Craig OAS AWARD Sponsored Awards -if any
Excellent
Grade 09 Project Type: Individual
Project Title: *Does peppermint affect reaction time?*

Ms Kasey L Powell OAS AWARD Sponsored Awards -if any
Excellent
Grade 10 Project Type: Individual
Project Title: *Will tension on the knee be greater on the higher tension setting or the low tension setting?*

Mr Nolan M Thomaswick OAS AWARD Sponsored Awards -if any
Superior 028 2ND
Grade 09 Project Type: Individual
Project Title: *Does being blindfolded affect being able to locate sound?*

Willard MS, Willard

Mr Benjamin R Secor OAS AWARD Sponsored Awards -if any
Superior
Grade 07 Project Type: Individual
Project Title: *Number of fletches: Do they affect the flight of an arrow?*

Mr Lane T Secor OAS AWARD Sponsored Awards -if any
Excellent
Grade 07 Project Type: Individual
Project Title: *Preservation*

William Mason HS, Mason

Ms Alexandria N Behne OAS AWARD Sponsored Awards -if any
Excellent
Grade 11 Project Type: Individual
Project Title: *Sunny-side up*

Ms Naina Singh OAS AWARD Sponsored Awards -if any
Superior
Grade 09 Project Type: Individual
Project Title: *Buoyancy of floating cylinders*

Mr Sohun S Talreja OAS AWARD Sponsored Awards -if any
Superior 080 HM 142 SCH
Grade 09 Project Type: Individual
Project Title: *Ecotoxicity of highway deicing substance*

William Mason HS, Mason

Ms Linda Yao Grade 11	OAS AWARD Superior	Sponsored Awards -if any 158 3rd
Project Type: Individual		
Project Title: <i>Menadione-induced cytotoxicity reduction in yeast cells by antioxidant enzymes</i>		

Willow Creek Learning Center, Poland

Mr James A Haddad Grade 07	OAS AWARD Superior	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>Sample size and the bell curve</i>		

Ms Mara F McCloud Grade 08	OAS AWARD Excellent	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>The effects of breakfast</i>		

Ms Gwendolyn R Sieman Grade 06	OAS AWARD Excellent	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>Onions and tears</i>		

Ms Lisandra M Stebner Grade 07	OAS AWARD Excellent	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>Texting and driving</i>		

Mr Paul A Ugolini Grade 07	OAS AWARD Superior	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>Copper and electricity</i>		

Wilmington HS, Wilmington

Mr Benjamin A Fenton Grade 12	OAS AWARD Superior	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>The effectiveness of lactase supplements in treating lactose intolerance</i>		

Xenia Christian HS, Xenia

Mr Andrew D Urschel Grade 09	OAS AWARD Superior	Sponsored Awards -if any
Project Type: Individual		
Project Title: <i>Common household items as deicers</i>		

Zahns MS, Piketon

Ms Taylor L Bliss OAS AWARD Sponsored Awards -if any
 Excellent
 Grade 06 Project Type: Team
Project Title: Fascination of fingerprints

Ms Amber L Reno OAS AWARD Sponsored Awards -if any
 Excellent
 Grade 06 Project Type: Team
Project Title: Fascination of fingerprints

Zane Trace HS, Chillicothe

Mr Zachary R Claytor OAS AWARD Sponsored Awards -if any
 Superior 142 SCH
 Grade 10 Project Type: Individual
Project Title: H1N1 influenza vaccines

Ms Sarah M Cox OAS AWARD Sponsored Awards -if any
 Superior 019 SCH 0 33 3SCH 0 50 1ST 142 SCH
 Grade 10 Project Type: Individual
Project Title: Vitis labrusca anthocyanins and their antibacterial effects on Capra hircus hoof rot bacteria

Mr Tyler C Moore OAS AWARD Sponsored Awards -if any
 Superior 142 SCH
 Grade 09 Project Type: Individual
Project Title: Ins and outs of house wrap

Zane Trace MS, Chillicothe

Ms Eva A Bugg OAS AWARD Sponsored Awards -if any
 Excellent
 Grade 08 Project Type: Individual
Project Title: The effect of acid rain on vegetable germination and growth

Ms Kasandra J Dalton OAS AWARD Sponsored Awards -if any
 Superior 079 HM
 Grade 08 Project Type: Individual
Project Title: What pipe is most cost effective in geothermal heating?

Ms Amber N Ginter OAS AWARD Sponsored Awards -if any
 Excellent 028 2ND
 Grade 08 Project Type: Individual
Project Title: Does fear change with age, and how?