

State Science Day - May 10, 2008

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

Rather than browsing down, **in Windows use Control and F keys at the same time. On a Macintosh computer, use Command F keys at the same time.**

Then type in a student's last name
(or a school name).

Then use the **enter** key.

For a roster of sponsored awards see this link:

<http://www.ohiosci.org/SSDspAwdBooklet2008.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

All Saints, Cincinnati

Ms Morgan E Basile

Grade:07 Project Type: Individual

Project Title: *Magnets and temperature*

OAS AWARD

Superior

Harold C. Shaw Outstanding School Award

Sponsored Awards -if any

Mr John T Broderick

Grade:07 Project Type: Individual

Project Title: *Keep on gliding*

OAS AWARD

Superior

Sponsored Awards -if any

147 2nd 154 1st

Mr Alexander M Feltman

Grade:07 Project Type: Individual

Project Title: *Tank size and growth of black mollies*

OAS AWARD

Superior

Sponsored Awards -if any

036 1st 154 1st

Ms Austen D Gross

Grade:07 Project Type: Individual

Project Title: *How exercise affects CO2 output*

OAS AWARD

Superior

Sponsored Awards -if any

Ms Elizabeth M Hellmann

Grade:07 Project Type: Individual

Project Title: *Breaking the surface*

OAS AWARD

Superior

Sponsored Awards -if any

178 1st 154 1st

Mr Ryan K Jones

Grade:07 Project Type: Individual

OAS AWARD

Superior

Sponsored Awards -if any

Project Title: Trebuchet counterweight mass: the effect on projectile distance

Ms Marissa E Mitchell

Grade:07 Project Type: Individual

Project Title: Do you remember?

OAS AWARD

Superior

Sponsored Awards -if any

Mr Nick A Paxson

Grade:07 Project Type: Individual

Project Title: Maximum distance

OAS AWARD

Superior

Sponsored Awards -if any

Mr Jacob Rawlings OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Eggs and arches - The surprising strengths*

Mr William R Rinaldi OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual 134 3rd
Project Title: *Burning calories*

Mr Thomas B Tappel OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *What floats your boat?*

All Saints, Steubenville

Ms Eliese N Pergl OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Do plants need darkness to survive?*

Alliance MS, Alliance

Ms Paige R Felger OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Which eraser lasts the longest?*

Mr Nicholas B Skidmore OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Acetic acid eruption*

Anderson HS, Cincinnati

Ms Becky H Ison OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Team 133 2nd 162 1st
Project Title: *Tracking geomagnetic storms using GPS receivers*

Ms Lauren B McCane OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Team 133 2nd 162 1st
Project Title: *Tracking geomagnetic storms using GPS receivers*

Ann Simpson Davis MS, Dublin

Ms Bavani W Rajah	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>Killer rays: How much UV radiation is too much?</i>		

Aquinas Central, Steubenville

Ms Rachel V Irvin	OAS AWARD	Sponsored Awards -if any
Grade:07	Superior	
Project Type: Individual		
Project Title: <i>Why won't my salad dressing stay mixed?!?</i>		

Ms Elizabeth A Miller	OAS AWARD	Sponsored Awards -if any
Grade:08	Excellent	
Project Type: Individual		
Project Title: <i>What blocks radio waves</i>		

Mr Mitchell L Morelli	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>Which brand of golf ball flies the farthest?</i>		

Archbishop Alter, Kettering

Mr Evan K Albers	OAS AWARD	Sponsored Awards -if any
Grade:10	Excellent	
Project Type: Individual		
Project Title: <i>The data track spacing of different electronic media disks</i>		

Ms Emily M Cata	OAS AWARD	Sponsored Awards -if any
Grade:09	Excellent	
Project Type: Individual		
Project Title: <i>How does pH, alkalinity and chlorine contained within tap, spring and Miami River water affect the lifespan of Daphnia?</i>		

Ms Janey L Grubmuller	OAS AWARD	Sponsored Awards -if any
Grade:10	Excellent	108 1st
Project Type: Individual		
Project Title: <i>Do higher gas octane levels result in better gas mileage and which octane level is the most cost effective?</i>		

Ms Lauren E Guerriero	OAS AWARD	Sponsored Awards -if any
Grade:09	Superior	
Project Type: Individual		
Project Title: <i>Household ammonia as a plant fertilizer</i>		

Baker MS, Fairborn

Ms Cortney P Rodgers	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: Bacteria in the home</i>		

Barnesville Independent Elementary, Barnesville

Ms Hannah N Kriechbaum	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: Y swim?</i>		

Mr Zachary A Leach	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Excellent	
<i>Project Title: Tail gate debate: Does tail gate position affect gas mileage?</i>		

Ms Kaitlen M Wallace	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: Scream for ice cream</i>		

Beaumont School, Cleveland Hts

Ms Georgette C Baliga	OAS AWARD	Sponsored Awards -if any
Grade:10 Project Type: Individual	Superior	146 4th
<i>Project Title: The prevention and treatment of tinea</i>		

Ms Rumneek K Bedi	OAS AWARD	Sponsored Awards -if any
Grade:11 Project Type: Individual	Good	201 1st
<i>Project Title: The effectiveness of flu vaccines on the H3N2 virus in the northern and southern hemispheres over various time periods</i>		

Ms Mollie C Brick	OAS AWARD	Sponsored Awards -if any
Grade:10 Project Type: Individual	Superior	086 2nd
<i>Project Title: Dazzling duckweed! A study of bioremediation of fertilizer runoff</i>		

Ms Monika A Cepulis	OAS AWARD	Sponsored Awards -if any
Grade:10 Project Type: Individual	Superior	059 2nd
<i>Project Title: I suspect that spectra is the best</i>		

Ms Kristina V Collins OAS AWARD Superior Sponsored Awards -if any
Grade: 10 Project Type: Individual
Project Title: *Design of experiments applied to paper airplanes*

Ms Aiste S Degesys OAS AWARD Excellent Sponsored Awards -if any
Grade: 11 Project Type: Individual 023 1st 148 2nd
Project Title: *Why Sleeping Beauty doesn't snore: Measuring airway volume in orthognathic, prognathic and retrognathic mandibles*

Ms Katrina T Feldkamp OAS AWARD Excellent Sponsored Awards -if any
Grade: 10 Project Type: Individual 204 1st
Project Title: *Apple browning: a study of the effects of various liquids on fruit oxidation*

Ms Michelle M Graf OAS AWARD Excellent Sponsored Awards -if any
Grade: 09 Project Type: Individual
Project Title: *Is your spit fit to chew? Effects of circadian rhythms and exercise on salivary amylase levels*

Ms Catherine S Haag OAS AWARD Good Sponsored Awards -if any
Grade: 10 Project Type: Individual 072 HM
Project Title: *Watered down: A comparison of the prevalence of fecal bacteria at two sites on Euclid Creek*

Ms Suzanne M Maloney OAS AWARD Excellent Sponsored Awards -if any
Grade: 12 Project Type: Individual
Project Title: *The effect of thermal pretreatments on the drought resistance of bean seeds*

Ms Christiane Mhanna OAS AWARD Superior Sponsored Awards -if any
Grade: 11 Project Type: Individual
Project Title: *Is obesity (BMI or percentage of body fat) associated with high blood pressure?*

Ms Andrea S Mitchell OAS AWARD Excellent Sponsored Awards -if any
Grade: 10 Project Type: Individual 085 1st
Project Title: *A study in scarlet: Effects of different variables upon liquid spatter patterns*

Ms Meredith E Muir OAS AWARD Superior Sponsored Awards -if any
Grade: 11 Project Type: Individual 038 1st
Project Title: *Hickory dickory dock! The mouse runs up the phylum Firmicutes!*

Ms Sara E Trickett OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Interactive learning vs. traditional learning*

Ms James A Vondenberg OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual 046 1st 142 SCH
Project Title: *Bacteria and the effect of multi purpose contact solution. Are your eyes safe?*

Ms Molly K Wiberg OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *A breath of fresh air: A swimmer's dream*

Bellbrook HS, Bellbrook

Ms Kaitlin S Bernard OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual 080 1st 032 1st
Project Title: *Does the presence of natural compost affect the germination rate of ryegrass seed?*

Ms Rebecca A Smith OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Geothermal heating in homes*

Mr Scott D Betz OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Efficiencies of hydrogen power*

Ms Alicia M Nitsch OAS AWARD Good Sponsored Awards -if any
Grade:09 Project Type: Team
Project Title: *The sound of silence*

Ms Holly M Phillips OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Team
Project Title: *School of Rock*

Ms Erin F Pinnell OAS AWARD Good Sponsored Awards -if any
Grade:09 Project Type: Team
Project Title: *The sound of silence*

Mr Matthew S Rasch
Grade: 11 Project Type: Team
Project Title: *Efficiencies of hydrogen power*

OAS AWARD
Superior

Sponsored Awards -if any

Ms Morgan E Spicer
Grade: 10 Project Type: Team
Project Title: *School of Rock*

OAS AWARD
Excellent

Sponsored Awards -if any

Bellbrook MS, Bellbrook

Mr William N Barton
Grade: 07 Project Type: Individual
Project Title: *Testing the hot hand phenomenon: Probability vs. perception*

OAS AWARD
Excellent

Sponsored Awards -if any
028 1st 055 HM 178 1st

Mr Lance R Crockett
Grade: 07 Project Type: Individual
Project Title: *Pulse jet engines*

OAS AWARD
Superior

Sponsored Awards -if any

Mr Michael F Dellon
Grade: 07 Project Type: Individual
Project Title: *It's heating up!*

OAS AWARD
Excellent

Sponsored Awards -if any
070 HM

Ms Brianna R Huelsman
Grade: 07 Project Type: Individual
Project Title: *Which disinfectant wipe is telling the truth? A comparison of bacterial growth after using disinfectant wipes*

OAS AWARD
Good

Sponsored Awards -if any

Mr Colton M Phillips
Grade: 07 Project Type: Individual
Project Title: *Kick the ball like the pros*

OAS AWARD
Superior

Sponsored Awards -if any

Benjamin Logan HS, Bellefontaine

Mr Hans C Buchenroth
Grade: 11 Project Type: Individual
Project Title: *Wind power*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Jessica A Frasure
Grade: 12 Project Type: Individual
Project Title: *Cloning the PHB pathway*

OAS AWARD
Superior

Sponsored Awards -if any
019 SCH

Ms Jaleena C Jacobs OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: *Analysis of various protozoa as potential alternatives to the Draize test*

Mr Rahul M Prasad OAS AWARD Good Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Isolating the gene for Triclosan resistance*

Benjamin Logan MS, Bellefontaine

Mr Dakota M Crumley OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Ticket ticket who got a ticket?*

Ms Amanda M Frasure OAS AWARD Good Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Bacterial transformation*

Mr Rohan M Prasad OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Lysozyme: the cell wall breaker*

Mr Nicholas G Wisse OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Waxy ears?*

Big Walnut HS, Sunbury

Mr John A Clark OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Ferrofluid and field strength*

Mr Jacob N Collard OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Visual differentiation within visemes and manners of articulation*

Ms Betsy A Dible OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *How do higher concentrations of gibberellic acid affect seed germination and plant growth?*

Mr J. Daniel D Pike OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Bottled vs. tap: Safety or convenience*

Ms Darcy M Predieri OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual 050 HM
Project Title: *The effectiveness of mouth rinses on dogs*

Mr Evan S Yarrington OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Windmill blade efficiency*

Mr Alfred D Yates OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Have steroids really ruined baseball?*

Ms Rachel A Yoho OAS AWARD Superior Sponsored Awards -if any
Grade:12 Project Type: Individual 041 HM 080 2nd 033 2SCH
Project Title: *The feasibility of *Sus domesticus* manure in a novel microbial fuel cell design for voltage production and bacterial load reduction*

Big Walnut MS, Sunbury

Ms Sophia L Calcara OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Team
Project Title: *Functional floodwalls*

Ms Rachel N Darling OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Team
Project Title: *Functional floodwalls*

Bishop Fenwick, Zanesville

Mr Matthew J Baker OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Mass and model rockets*

Mr Thomas E Boggs OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Reflection and absorption of visible light in liquids

Mr Johnathan M Maclean OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Centrifuge

Ms Megan C Nash OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: Electroplating a metal using different pH solutions

Ms Rachel B Nash OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: The viscosity of various liquids

Ms Myriah P Repuyan OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: How much energy is stored in different types of food?

Bishop Flaget, Chillicothe

Mr Nathaniel J Dresbach OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: Wings

Ms Paige A Lanning OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: Who has the best long term memory?

Ms Hannah M Littler OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Attitude towards room color

Bishop Leibold E & W Campus, Dayton

Mr Alexander M Wright OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Heat waste: Incandescent vs. compact fluorescent

Ms Alyssa M Zearley OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *What components of fertilizer make algae grow fastest?*

Black River HS, Sullivan

Ms Cassandra M Sikora OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: *Hydroharmonics: combining resonance and math to create music*

Bloom Carroll HS, Carroll

Ms Christin D Anson OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *The effect of different variables on certain varieties of apples*

Ms Caitlyn A Black OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Vitamin..orange? Testing the Vitamin C content in various orange juices and calculating if it decreases over*

Ms Mariah B Black OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Got bacteria? Testing the amount of bacteria present in organic and conventional milk*

Ms Kaitlyn E Burnside OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Bacteria in ice from restaurant ice machines*

Mr Trent R Fagrell OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Traditional vs. alternative aircraft de-icing methods*

Ms Emily K Fisher OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *The effect of legume plants on nitrogen polluted water*
086 3rd 087 3rd

Ms Aubry L Fowler OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *The effects of light on planaria regeneration*

Mr Luke J Robison OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *Does chewing gum improve memory?*

Ms Alice Sleeth OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual 028 2nd
Project Title: *Do teenagers stereotype their peers? Take two*

Ms Mallory B Spence OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Does gender affect learning style*

Mr Mason M Taylor OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *An insight into the fears of teenagers and adults*

Mr Noah W Kurucz OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team 133 1st
Project Title: *Inkblots: Cool or lame, do students think the same?*

Mr Kyle M Petty OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team 133 1st
Project Title: *Inkblots: Cool or lame, do students think the same?*

Bloom Carroll MS, Carroll

Mr Clay P Adams OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Commercially produced eggs vs. farm fresh eggs*

Mr Kyle R Rybicki OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which type of light (halogen, flourescent or incandescent) will produce the most amount of energy in a solar*

Mr Christian M Starr OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Shape: Affecting ice*

Bluffton MS, Bluffton

Mr Jeremy J Basinger OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Footballs: Helium vs. air*

Ms Hannah B Chappell-Dick OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Fuel efficiency*

Ms Lindsey B Sneary OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Color affecting math*

Mr Chase C Wilson OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Arch, beam, or suspension: Which bridge design will hold the most weight?*

Bowling Green Christian Academy, Bowling

Ms Brookelyn M Winters OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual 070 2nd
Project Title: *Which forecast model is more accurate: GFS MOS or MRF (GFSX) MOS?*

Bowling Green HS, Bowling Green

Mr Elliot L Cantwell OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual 175 1st
Project Title: *Which location along the Maumee River in Northwest Ohio has the best water quality?*

Mr Zachary P Galliger OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *Acid precipitation's effect on Daphnia*

Ms Grace H Miner OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual 019 SCH 175 1st 142 SCH
Project Title: *Utilization of organic phosphorus by cyanobacteria*

Mr Nolan S Saneholtz
Grade:10 Project Type: Individual
Project Title: Danger! Lead in ceramics. Do ceramics made in China and sold in local stores have a lead content in their glazes that is considered unsafe by FDA standards?

OAS AWARD
Excellent

Sponsored Awards -if any

Brookville HS, Brookville

Ms Laura M Bendula
Grade:12 Project Type: Individual
Project Title: Can personality be determined from handwriting?

OAS AWARD
Superior

Sponsored Awards -if any
001 1st 014 2-Alt 204 1st

Buckeye Valley Local HS, Delaware

Ms Ellen J McDevitt-Stredney
Grade:09 Project Type: Individual
Project Title: Salty Solutions: a study of salinity levels and mortality rate of Paramecium caudatum

OAS AWARD
Superior

Sponsored Awards -if any
030 3rd

Buckeye Valley Local MS, Delaware

Mr John W Crecelius
Grade:07 Project Type: Individual
Project Title: How cold is your lunch?

OAS AWARD
Superior

Sponsored Awards -if any

Mr Lane E Kleilein
Grade:07 Project Type: Individual
Project Title: Caffeine; does it raise human blood pressure?

OAS AWARD
Excellent

Sponsored Awards -if any

Canton Arts Academy, Canton

Ms Rebekah J Waalkes
Grade:08 Project Type: Individual
Project Title: Does the depth of water affect the speed of a wave?

OAS AWARD
Excellent

Sponsored Awards -if any
079 HM

Canton Country Day, Canton

Mr Ryan C Finley
Grade:07 Project Type: Individual
Project Title: Light barriers vs. plant growth

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Brandon A Mader
Grade:07 Project Type: Individual
Project Title: Power up: Which alternative energy source can generate the most electricity?

OAS AWARD
Superior

Sponsored Awards -if any
080 1st 154 1st

Carroll HS, Dayton

Mr Ryan W.D. Blanford Grade:09 Project Type: Individual <i>Project Title: Harvesting the wind</i>	OAS AWARD Excellent	Sponsored Awards -if any 159 1st
Mr Phillip O Bridges Grade:09 Project Type: Individual <i>Project Title: Broken towers</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Michael G Chapman Grade:12 Project Type: Individual <i>Project Title: Magnet field manipulation motor</i>	OAS AWARD Superior	Sponsored Awards -if any 014 SCH 059 1st 153 1st
Mr Benjamin J Coffey Grade:11 Project Type: Individual <i>Project Title: The Fibonacci sequence: Integration between numbers and nature</i>	OAS AWARD Superior	Sponsored Awards -if any 142 SCH
Ms Chelsea E Coffey Grade:09 Project Type: Individual <i>Project Title: Winglet lifting effects on airfoils</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Michelle M Di Biase Grade:10 Project Type: Individual <i>Project Title: The effectiveness of various items against ultraviolet radiation</i>	OAS AWARD Superior	Sponsored Awards -if any 148 1st 165 2nd 175 1st 142 SCH
Mr Darren J Nash Grade:09 Project Type: Individual <i>Project Title: Which running surface is best for injury prevention?</i>	OAS AWARD Superior	Sponsored Awards -if any 142 SCH
Mr Howard E Poston Grade:11 Project Type: Individual <i>Project Title: Testing for inconsistencies: Benford's law and data</i>	OAS AWARD Excellent	Sponsored Awards -if any 023 1st 055 1st 147 3SCH 173 1st 194 SCH 204 1st
Mr Robert C Ryan Grade:09 Project Type: Individual <i>Project Title: Ethanol economics</i>	OAS AWARD Superior	Sponsored Awards -if any 142 SCH

Ms Sarah M Shanks
Grade:10 Project Type: Individual
Project Title: How do the construction and processes of bioreactor landfills compare to the construction and processes of dry landfills?

OAS AWARD
Superior

Sponsored Awards -if any
080 3rd

Ms Aubrey I Stamper
Grade:11 Project Type: Individual
Project Title: How color affects a fish's eating pattern

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Janine M Steffan
Grade:10 Project Type: Individual
Project Title: What detergent is able to aid in the extraction of the highest quantity of DNA from kiwi fruit?

OAS AWARD
Superior

Sponsored Awards -if any

Chaney HS, Youngstown

Mr Brett W Wilson
Grade:09 Project Type: Individual
Project Title: Going green

OAS AWARD
Superior

Sponsored Awards -if any

Chesapeake HS, Chesapeake

Ms Sarah K Mayo
Grade:09 Project Type: Individual
Project Title: Compressive strength: Is longer stronger?

OAS AWARD
Superior

Sponsored Awards -if any
061 3rd 142 SCH

Chesapeake MS, Chesapeake

Ms Anna K Mayo
Grade:07 Project Type: Individual
Project Title: Which material causes the least friction?

OAS AWARD
Superior

Sponsored Awards -if any

Choffin Career & Technical Center VS, Youngstown

Mr Michael J Giles
Grade:11 Project Type: Individual
Project Title: The effects of temperature on the transpiration rate of Glycine max

OAS AWARD
Excellent

Sponsored Awards -if any
001 2nd 205 HM

Clay HS, Portsmouth

Ms Katherine E Bauer
Grade:09 Project Type: Individual
Project Title: Out with the old, in with the new

OAS AWARD
Superior

Sponsored Awards -if any
079 3rd

Ms Karleigh J Murnahan
Grade:08 Project Type: Individual
Project Title: On the rise

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Sarah J Raies
Grade:07 Project Type: Individual
Project Title: King recycler: The worm part IV

OAS AWARD
Superior

Sponsored Awards -if any
036 1st 154 1st

Columbia HS, Columbia Station

Mr William J Bailey
Grade:10 Project Type: Individual
Project Title: Acid hydrolysis of biomass

OAS AWARD
Superior

Sponsored Awards -if any
108 1st 139 3rd 142 SCH

Mr Brian D Coyne
Grade:09 Project Type: Individual
Project Title: How do sport drinks affect heart rate?

OAS AWARD
Excellent

Sponsored Awards -if any
034 1st

Ms Denise M Gerda
Grade:09 Project Type: Individual
Project Title: Does birth order affect personality?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Eric R Painting
Grade:10 Project Type: Individual
Project Title: Algae as a biofuel: Detecting hydrocarbons in Protococcus

OAS AWARD
Excellent

Sponsored Awards -if any
019 SCH 080 2nd

Columbia MS, Columbia Station

Ms Jessica N Mirecki
Grade:07 Project Type: Team
Project Title: Dwarf hamster environments

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Amber C Silvaggio
Grade:07 Project Type: Team
Project Title: Dwarf hamster environments

OAS AWARD
Excellent

Sponsored Awards -if any

Columbian HS, Tiffin

Ms Keeron S Ghose OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *The effect of design on energy output from solar cells: The contribution of reflectors*

Mr Jake A Stover OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual 014 1-Alt 204 1st
Project Title: *Household propellants*

Ms Shawnie A Boyer OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Personalities among twins and their siblings*

Ms Brianne L Cook OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Graphology: Does personality affect handwriting?*

Ms Brittany L Cook OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Graphology: Does personality affect handwriting?*

Ms Samantha M Miller OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Personalities among twins and their siblings*

Columbus Alternative HS, Columbus

Mr Justin P Sherman OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Do magnets affect plant growth and direction*

Continental Local MS, Continental

Ms Abbey K Moran OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Weight distribution on a gokart*

Ms Hannah F Baker OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: *Teeth whitening*

Ms Kamryn L Shafer
Grade:07 Project Type: Team
Project Title: Teeth whitening

OAS AWARD
Excellent

Sponsored Awards -if any

Coshocton HS, Coshocton

Mr Campbell B Miller
Grade:10 Project Type: Individual
Project Title: The determination of the value of k and its use in predicting temperature in Newton's law of cooling

OAS AWARD
Superior

Sponsored Awards -if any

Ms Kaitlin E Ruby
Grade:12 Project Type: Individual
Project Title: The strength of air, how does the percentage of air voids affect the strength of concrete?

OAS AWARD
Superior

Sponsored Awards -if any
053 1st 061 2nd

Ms Kitrina N Neiger
Grade:11 Project Type: Team
Project Title: Can people tell the difference between diet and regular pop?

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Nikki B Vanaman
Grade:11 Project Type: Team
Project Title: Can people tell the difference between diet and regular pop?

OAS AWARD
Excellent

Sponsored Awards -if any

Dayton Christian School, Miamisburg

Ms Ellen R Booher
Grade:11 Project Type: Individual
Project Title: Insulated footsies: Which sock is the best thermal insulator - wet & dry?

OAS AWARD
Excellent

Sponsored Awards -if any
023 1st

Ms Hannah R Combs
Grade:08 Project Type: Individual
Project Title: How do light and darkness affect the growth of mushrooms?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Miranda E Cunningham
Grade:10 Project Type: Individual
Project Title: Numbers, shapes or both

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Mr Patrick A Edinger
Grade:08 Project Type: Individual
Project Title: Heat output of diesel, kerosene and biodiesel

OAS AWARD
Superior

Sponsored Awards -if any

Mr Michael A Gord
Grade:09 Project Type: Individual
Project Title: Optical detection of hazardous materials for homeland security: phase II

OAS AWARD
Superior

Sponsored Awards -if any

Mr Bryan P Grove
Grade:10 Project Type: Individual
Project Title: Submarine hydrodynamics

OAS AWARD
Superior

Sponsored Awards -if any
059 4th

Mr Andrew J Hendricks
Grade:08 Project Type: Individual
Project Title: Perfected propeller tests

OAS AWARD
Superior

Sponsored Awards -if any

Mr Nathan T Hendricks
Grade:10 Project Type: Individual
Project Title: Optimized propeller tests

OAS AWARD
Superior

Sponsored Awards -if any
059 5th 204 1Alt 142 SCH

Mr Chris J Hsu
Grade:10 Project Type: Individual
Project Title: Rubik's cube robot

OAS AWARD
Superior

Sponsored Awards -if any

Ms Stephanie J Hsu
Grade:08 Project Type: Individual
Project Title: Sea plants, saltwater and the nitrogen cycle

OAS AWARD
Superior

Sponsored Awards -if any

Mr Sun Hyung Lee
Grade:11 Project Type: Individual
Project Title: Why candy reacts with carbonated drink?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Elizabeth G McKinney
Grade:10 Project Type: Individual
Project Title: What pollutant kills the best?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr J. Michael Rarick
Grade:08 Project Type: Individual
Project Title: Harnessing the energy of the wind

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Nicholas J Reis
Grade:08 Project Type: Individual
Project Title: Backbreakers

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jason D Roos
Grade:10 Project Type: Individual
Project Title: Can a data feedback loop aid a robot in the navigation of a maze?

OAS AWARD
Superior

Sponsored Awards -if any
204 2Alt 142 SCH

Mr Ethan C Schimmels
Grade:08 Project Type: Individual
Project Title: Maximum energy, maximum motion, maximum mousetrap

OAS AWARD
Superior

Sponsored Awards -if any
178 1st 154 1st

Ms Jennifer M Schimmels
Grade:11 Project Type: Individual
Project Title: Electricity and crystal growing

OAS AWARD
Superior

Sponsored Awards -if any

Mr Jordan L Thomson
Grade:08 Project Type: Individual
Project Title: Gasoline or ethanol?

OAS AWARD
Excellent

Sponsored Awards -if any
139 3rd

Mr Christopher C Tubb
Grade:09 Project Type: Individual
Project Title: Does barrel length affect the distance of a projectile?

OAS AWARD
Superior

Sponsored Awards -if any

Dominion Academy of Dayton, Dayton

Ms Alyssa G Ferdelman
Grade:09 Project Type: Individual
Project Title: Low density solar applications: Which battery works best

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Peter A Gordnier
Grade:08 Project Type: Individual
Project Title: The effect of terrain on mealworms

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Esther I Hwang
Grade:10 Project Type: Individual
Project Title: A hand painted catalyst vs. a hot pressed MEA

OAS AWARD
Superior

Sponsored Awards -if any

Ms Johanna R Schmitz OAS AWARD Sponsored Awards -if any
Grade:09 Project Type: Individual Excellent
Project Title: Must man munch moldy muffins?

Dominion MS, Columbus

Ms Clare N Janoski OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Vitamin C in orange juice

Mr Alexander F Singer OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: The effect of temperature on the conductivity of a salt water solution

East Canton HS, E Canton

Ms Jessica D Gordon OAS AWARD Sponsored Awards -if any
Grade:10 Project Type: Individual Superior 050 HM 032 2nd 142 SCH
Project Title: The effect of feeding laying hens a diet high in protein

Mr Chase Sanders OAS AWARD Sponsored Awards -if any
Grade:10 Project Type: Individual Superior 142 SCH
Project Title: Antibiotics vs. bacteria

Mr Joshua T VanVoorhis OAS AWARD Sponsored Awards -if any
Grade:10 Project Type: Individual Excellent
Project Title: Shotgun choke patterns

East HS, Akron

Mr Adam R Henderson OAS AWARD Sponsored Awards -if any
Grade:11 Project Type: Individual Excellent
Project Title: Fruit skin pigments! Are they similar?

East HS, Columbus

Mr Shane M Favours OAS AWARD Sponsored Awards -if any
Grade:09 Project Type: Individual Excellent
Project Title: The relationship of age and memory

Eastern JS, Sardinia

Mr Gunner C Pollitt	OAS AWARD	Sponsored Awards -if any
Grade:07	Excellent	
Project Type: Individual		
Project Title: <i>The nose knows - Can your sense of smell curb your cravings?</i>		

Edon MS, Edon

Ms Rebecca D Fisk	OAS AWARD	Sponsored Awards -if any
Grade:07	Superior	
Project Type: Individual		
Project Title: <i>The Stroop effect: The naming of color words printed in a non matching colored ink</i>		

Everts MS, Circleville

Mr Christian C Acosta	OAS AWARD	Sponsored Awards -if any
Grade:07	Excellent	
Project Type: Team		
Project Title: <i>Whose mouth is dirtier: dog's or human's?</i>		

Mr Kyle M Brooks	OAS AWARD	Sponsored Awards -if any
Grade:07	Excellent	
Project Type: Team		
Project Title: <i>Whose mouth is dirtier: dog's or human's?</i>		

Fairbanks MS, Milford Center

Mr Isaac R Leeds	OAS AWARD	Sponsored Awards -if any
Grade:07	Excellent	
Project Type: Individual		
Project Title: <i>What is the smartest animal?</i>		

Fairborn HS, Fairborn

Ms Barbara M Goodwin	OAS AWARD	Sponsored Awards -if any
Grade:09	Excellent	
Project Type: Individual		
Project Title: <i>The effects of sodium chloride on elodea cell size</i>		

Faircrest Memorial MS, Canton

Ms Stephanie J Balsley	OAS AWARD	Sponsored Awards -if any
Grade:07	Excellent	
Project Type: Individual		
Project Title: <i>Which whitening toothpaste works best?</i>		

Ms Paige L Parsons	OAS AWARD	Sponsored Awards -if any
Grade:07	Good	
Project Type: Team		
Project Title: <i>Is using two eyes to judge distance more accurate than one?</i>		

Ms Megan K Willaman OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Team Good
Project Title: Is using two eyes to judge distance more accurate than one?

Fairfield Local MS, Leesburg

Ms Kaiti P Esselman OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Team Superior
Project Title: Carbon dioxide in freshwater

Mr Dakota L Hargrave OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Team Excellent
Project Title: Athletic insulation

Mr Austin D Hildebrant OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Team Excellent
Project Title: Athletic insulation

Mr Cole Putnam OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Team Superior
Project Title: Carbon dioxide in freshwater

Fairfield MS, Fairfield

Mr Nate J Chester OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Cool compasses

Mr Matthew B Coates OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Battery arrangements for power or life

Mr Bernard R Hogan OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: How does angle of attack affect lift?

Mr Michael A Jones OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent 178 1st
Project Title: How temperature affects distance in golf balls

Ms LeeAnn K Olthaus
Grade:08 Project Type: Individual
Project Title: It's sweet to be a Parakeet

OAS AWARD
Superior

Sponsored Awards -if any

Ms Nimisha R Swali
Grade:07 Project Type: Individual
Project Title: Water water everywhere, with desalination a lot to drink

OAS AWARD
Excellent

Sponsored Awards -if any
072 HM

Fairfield Union HS, Lancaster

Ms Emily G Ferrando
Grade:10 Project Type: Individual
Project Title: Are there coliform bacteria on local produce?

OAS AWARD
Good

Sponsored Awards -if any
169 6th

Ms Kathleen M Hurley
Grade:10 Project Type: Individual
Project Title: Corn vs. sugar cane: The choice for ethanol production

OAS AWARD
Superior

Sponsored Awards -if any
105 3SCH 142 SCH

Ms Mariah A Thrush
Grade:11 Project Type: Individual
Project Title: The effect of water salinity on Daphnia mortality rates Year II

OAS AWARD
Excellent

Sponsored Awards -if any
086 4th

Fairfield Union JS, Lancaster

Ms Cherice D Peters
Grade:08 Project Type: Individual
Project Title: Do music genres have an affect on a horses behavior?

OAS AWARD
Excellent

Sponsored Awards -if any

Fairland HS, Proctorville

Mr Matthew T Konzett
Grade:10 Project Type: Individual
Project Title: Mirror madness: Can useful work be produced by steam generated from focusing the sun's energy with multiple mirrors?

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Natalie R Elkins
Grade:12 Project Type: Individual
Project Title: Toxicity effects on isopods

OAS AWARD
Excellent

Sponsored Awards -if any
072 HM

Mr Dalton J Froehlich
Grade:10 Project Type: Individual
Project Title: Memory & the heart

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Robert G Hinshaw
Grade:09 Project Type: Individual
Project Title: How clean are our streams

OAS AWARD
Excellent

Sponsored Awards -if any
083 3rd 090 2nd

Ms Vidhee J Patel
Grade:11 Project Type: Individual
Project Title: Child memory

OAS AWARD
Excellent

Sponsored Awards -if any
002 SCH

Mr Garrett P Wireman
Grade:10 Project Type: Individual
Project Title: The Mozart effect: Fact or fiction?

OAS AWARD
Excellent

Sponsored Awards -if any

Fairland MS, Proctorville

Ms Shefali S Shah
Grade:08 Project Type: Individual
Project Title: DNA: Analyzing human DNA

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Julia Wu
Grade:07 Project Type: Individual
Project Title: Disinfectants

OAS AWARD
Excellent

Sponsored Awards -if any

Faith Community Christian, Belmont

Mr Brodie J Reitter
Grade:09 Project Type: Individual
Project Title: Paintball accuracy

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Micaela S Rockwell
Grade:09 Project Type: Individual
Project Title: Rotten to the core

OAS AWARD
Excellent

Sponsored Awards -if any

Fayetteville Perry MS, Fayetteville

Ms Amanda L O'Donnell	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Superior	
<i>Project Title: Grease lightning</i>		

Ferguson MS, Beavercreek

Mr Tushar Goswami	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Superior	070 1st 154 1st
<i>Project Title: Using jet streams to interpret hurricane activities</i>		

Ms Deepa Gollamudi	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Team	Superior	
<i>Project Title: Which pain reliever dissolves fastest in stomach acid?</i>		

Ms Samantha Venkatesh	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Team	Superior	
<i>Project Title: Which pain reliever dissolves fastest in stomach acid?</i>		

Fort Jennings HS, Fort Jennings

Ms Marissa M Mesker	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Superior	
<i>Project Title: Fabric softener and flammability</i>		

Mr Bradley J Trentman	OAS AWARD	Sponsored Awards -if any
Grade:09 Project Type: Individual	Excellent	058 3rd
<i>Project Title: Wood strength</i>		

Ms Jenna N Von Sossan	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Excellent	
<i>Project Title: Digital cameras</i>		

Mr Eric G Wilhelm	OAS AWARD	Sponsored Awards -if any
Grade:09 Project Type: Individual	Excellent	
<i>Project Title: Measuring the evenness of cakes</i>		

Geneva HS, Geneva

Ms Cassandra L Baker Grade:11 Project Type: Individual <i>Project Title: Keeping it even warmer</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Zachary D Depp Grade:10 Project Type: Individual <i>Project Title: In search of yellow dye #5</i>	OAS AWARD Superior	Sponsored Awards -if any
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Mr Garrhett G Via Grade:09 Project Type: Individual <i>Project Title: Are they worth the extra green?</i>	OAS AWARD Excellent	Sponsored Awards -if any 032 3rd
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Mr Braxton L Wessell Grade:11 Project Type: Individual <i>Project Title: Which insulation is best in a structure?</i>	OAS AWARD Excellent	Sponsored Awards -if any 171 SCH
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Geneva JS, Geneva

Mr Matthew T Horgan Grade:08 Project Type: Individual <i>Project Title: Evaluating the effectiveness of parachute design according to shape</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Genoa Christian Academy, Westerville

Mr Mark D Wright Grade:08 Project Type: Individual <i>Project Title: Eyeballs and basketballs: Does depth perception improve free throw shooting percentage?</i>	OAS AWARD Superior	Sponsored Awards -if any 028 1st 046 2nd 154 1st
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Georgetown Jr/Sr HS, Georgetown

Mr Ian E Cowdrey Grade:09 Project Type: Individual <i>Project Title: Model rocket fin profile vs. altitude test</i>	OAS AWARD Superior	Sponsored Awards -if any 165 1st
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Mr Austin D Rust Grade:07 Project Type: Individual <i>Project Title: How do different amounts of resistance affect brightness of a light bulb?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Hadley E Watts MS, Dayton

Mr Alex C Broadstock	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>What materials are best at soundproofing?</i>		

Ms Pallavi Oruganti	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>Biodegradable plastics</i>		

Hathaway Brown, Shaker Hts

Ms Lena J Ransohoff	OAS AWARD	Sponsored Awards -if any
Grade:07	Superior	036 1st 154 1st
Project Type: Individual		
Project Title: <i>Chromatography analysis of changing chlorophyll levels of Aesculus hippocastanum</i>		

Ms Samantha R Reeves	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>Plant growth: The study of hydroponics vs. aeroponics</i>		

Ms Mimi C Toohey	OAS AWARD	Sponsored Awards -if any
Grade:08	Excellent	
Project Type: Individual		
Project Title: <i>Pollution filtration with sodium polyacrylate</i>		

Henry F Lamuth MS, Painesville

Mr Daniel M Clifford	OAS AWARD	Sponsored Awards -if any
Grade:07	Superior	
Project Type: Individual		
Project Title: <i>Are you using that water bottle again? Is there bacteria left in a water bottle that is not cleaned?</i>		

Henry Karrer MS, Dublin

Mr Saaket M Pradhan	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	041 2nd 032 1st 154 1st
Project Type: Individual		
Project Title: <i>Marinades: It's not just about flavor</i>		

Hicksville HS, Hicksville

Mr Joe R Adams	OAS AWARD	Sponsored Awards -if any
Grade:10	Superior	070 HM
Project Type: Individual		
Project Title: <i>Recording rain rapidly</i>		

Ms Danielle N Caryer
Grade: 10 Project Type: Individual
Project Title: Digital photography

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Halie J Gonwick
Grade: 11 Project Type: Individual
Project Title: Sign language: Is it in you?

OAS AWARD
Excellent

Sponsored Awards -if any
002 SCH 198 SCH

Mr Clark R Schlatter
Grade: 10 Project Type: Individual
Project Title: Superlines vs. monofilament

OAS AWARD
Superior

Sponsored Awards -if any

Ms Krystal A Smazenko
Grade: 11 Project Type: Individual
Project Title: Factory farms vs. family farms: Which one has the greatest impact on the environment?

OAS AWARD
Excellent

Sponsored Awards -if any
080 HM

Ms Alyssa M Vetter
Grade: 11 Project Type: Individual
Project Title: Music's effect on grades

OAS AWARD
Excellent

Sponsored Awards -if any

Hilltop HS, West Unity

Mr Cole R Clark
Grade: 08 Project Type: Individual
Project Title: Which slug shoots better?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Colten L Kuney
Grade: 11 Project Type: Individual
Project Title: Are natural medicines a viable substitute for modern medicine?

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Ms Abigail J Styron
Grade: 11 Project Type: Individual
Project Title: Does protein affect rabbit's growth rate?

OAS AWARD
Superior

Sponsored Awards -if any
199 3rd

Mr Elliot D Livensparger
Grade: 12 Project Type: Team
Project Title: The correlation between lung capacity, resting heart rate and aerobic fitness level

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Christopher J Menart OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Effect of body shape on aerodynamic drag*

Mr Joseph F Petty OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual 032 2nd
Project Title: *Egg-cellent grading*

Hoover HS, N Canton

Mr Robert A Detchon OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual 204 3Alt
Project Title: *Determining fatigue in a steel rebar segment using sound*

Mr David JM Esber OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 083 1st
Project Title: *A study on the effectiveness of an aquatic bivalve, Unio complanatus, as a biomonitor of cadmium*

Ms Janelle K Heinle OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual 001 3rd
Project Title: *Velocity of oil droplets (formed by evaporation) down an electrospun nylon nanofiber*

Ms Samantha M Loutzenheiser OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 058 2nd 106 2SCH 195 2nd
Project Title: *A study of the effects of varying formic acid concentrations on electrospun Bombyx mori silk nanofibers*

Mr Jyotiraditya Sinha OAS AWARD Superior Sponsored Awards -if any
Grade:12 Project Type: Individual 072 1ST 080 1st 195 1st 200 1st
Project Title: *An EDTA-encapsulated nanofiber filtration device for eliminating divalent heavy metals from water*

Hopewell JS, West Chester

Mr Ian A Blomquist OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Power of light*

Ms Ellen M Fleetwood OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual 030 HM
Project Title: *Sea monkeyin' around*

Mr Mike Esekwen
Grade:07 Project Type: Team
Project Title: Shapes and chutes

OAS AWARD
Excellent

Sponsored Awards -if any
162 1st

Mr Austin L Gould
Grade:07 Project Type: Team
Project Title: Shapes and chutes

OAS AWARD
Excellent

Sponsored Awards -if any
162 1st

Horizon Science Academy, Cincinnati

Ms Briana White
Grade:09 Project Type: Individual
Project Title: Amount of magnesium in different types of fruit juice

OAS AWARD
Superior

Sponsored Awards -if any

Hubbard HS, Hubbard

Mr Jonathan P Franko
Grade:11 Project Type: Individual
Project Title: Are pollution levels affected by a creek's location

OAS AWARD
Good

Sponsored Awards -if any

Mr Edward M Zitnik
Grade:10 Project Type: Individual
Project Title: Changing bacteria: Are bacteria present on regular lunch money change?

OAS AWARD
Excellent

Sponsored Awards -if any
148 2nd

Immaculate Conception, Columbus

Ms Paulina M Eberts
Grade:07 Project Type: Individual
Project Title: The effect of heat on baby bottles

OAS AWARD
Superior

Sponsored Awards -if any

Ms Emma C Nikolai
Grade:07 Project Type: Individual
Project Title: The perfect free throw

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Alisa M Noll
Grade:07 Project Type: Individual
Project Title: The effect of different dish detergents on oil slicked feathers

OAS AWARD
Superior

Sponsored Awards -if any

Ms Katey L Bell OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: *The effect of bats on a softball's distance*

Ms Kayla E Cook OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: *The effect of bats on a softball's distance*

Incarnate Word Academy, Parma Hts

Mr John C Boykin OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual 058 1st 154 1st
Project Title: *Plastics vs. rubbers - Which is more resistant to environmental and chemical conditions?*

Mr Sean P Bush OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 087 2nd 154 1st
Project Title: *I wouldn't touch that if I were you (Where do you find household bacteria?)*

Mr Samuel J Grant OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Do Vitamin C levels vary by packaging for orange, lemon & lime juices?*

Mr Michael A Jindra OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Gatorade vs. vitamin water during physical activity*

Ms Kristina M Radin OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 034 2nd 158 2nd 032 1st 154 1st
Project Title: *Creatine...creating muscles? A comprehensive study on the effects of creatine on mealworms' health including weight gain, life cycle advancements and mortality rate*

Ms Cara S Smith OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 070 HM 136 HM 154 1st
Project Title: *Weather forecasting: Meteorologist vs. teenager*

Mr Francis H Truong OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *SOS - Sound of strings*

Ironton JS, Ironton

Ms Kelly D Paholsky

Grade:08 Project Type: Individual

Project Title: *Methods of seed scarification*

OAS AWARD

Superior

Sponsored Awards -if any

Jackson Center HS, Jackson Center

Ms Alexis D Lisle

Grade:10 Project Type: Individual

Project Title: *Crossed up: Does crossed hand/eye domination affect free throw shooting percentages?*

OAS AWARD

Superior

Sponsored Awards -if any

Jackson HS, Jackson

Mr Benjamin E Lewis

Grade:09 Project Type: Individual

Project Title: *Does FGD affect water alkalinity?*

OAS AWARD

Excellent

Sponsored Awards -if any

079 4th 080 3rd

Mr Sherman T Lewis

Grade:11 Project Type: Individual

Project Title: *Caffeine free*

OAS AWARD

Excellent

Sponsored Awards -if any

Jackson MS, Jackson

Mr Kevin R Deinert

Grade:07 Project Type: Individual

Project Title: *Soundproofing properties of different materials*

OAS AWARD

Superior

Sponsored Awards -if any

Ms Courtney E Hattle

Grade:07 Project Type: Individual

Project Title: *Will young children eat more vegetables if they are brightly colored?*

OAS AWARD

Excellent

Sponsored Awards -if any

Mr Joshua E Wiley

Grade:08 Project Type: Individual

Project Title: *The absorption properties of pollutants in different soil types*

OAS AWARD

Excellent

Sponsored Awards -if any

079 HM

Mr Clay E Wood

Grade:08 Project Type: Individual

Project Title: *To read or not to read: are words better than pictures?*

OAS AWARD

Excellent

Sponsored Awards -if any

John C Dempsey MS, Delaware

Ms Casie M Bailey OAS AWARD Excellent Sponsored Awards -if any
070 HM
Grade:08 Project Type: Individual
Project Title: *No two are alike*

Mr Alexander W Carpenter OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *How temperature and solar angle affect P.V. cell efficiency*

Ms Elizabeth A Jackson OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of tennis ball elasticity on different surfaces*

Mr Noah R McDonald OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Survival of the fittest: Molitor vs. Obscurus*

Ms Nicole L Nelson OAS AWARD Superior Sponsored Awards -if any
105 2nd 154 1st
Grade:07 Project Type: Individual
Project Title: *A study of textiles and shrinkage*

Ms Becky A Schmitthenner OAS AWARD Superior Sponsored Awards -if any
134 HM 158 3rd 154 1st
Grade:08 Project Type: Individual
Project Title: *How temperature affects reaction rates*

Ms QianPei Wang OAS AWARD Superior Sponsored Awards -if any
072 1st 154 1st
Grade:08 Project Type: Individual
Project Title: *Effects of salinity on heat retention and water distillation*

John Sells MS, Dublin

Mr Himanshu D Savardekar OAS AWARD Superior Sponsored Awards -if any
038 2nd 154 1st
Grade:08 Project Type: Individual
Project Title: *Exposure to high glucose kills heart cells*

Learning Unlimited Village Academy, Powell

Ms Shambavi Sadayappan OAS AWARD Superior Sponsored Awards -if any
190 2nd
Grade:10 Project Type: Individual
Project Title: *Are chimpanzees closest to humans in all aspects? A comparative genomic study*

Ms Sheela K Vaswani OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: How does alcohol affect a plant's growth?

Mr Michael G Wientjes OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Does using different liposome carriers affect delivery of siRNA?

Lehman Catholic HS, Sidney

Harold C. Shaw Outstanding School Award

Ms Ellen O Berlekamp OAS AWARD Sponsored Awards -if any
Grade:10 Project Type: Individual Superior
Project Title: Capsaicin and microbial reactions

Ms Elizabeth S Galbreath OAS AWARD Sponsored Awards -if any
Grade:12 Project Type: Individual Superior 080 3rd 091 1st
Project Title: The effect of environmental pollutants on daphnia

Mr John Henry Hinders OAS AWARD Sponsored Awards -if any
Grade:09 Project Type: Individual Excellent
Project Title: Falling with style: Parachute canopy design

Ms Ciara J Sargeant OAS AWARD Sponsored Awards -if any
Grade:10 Project Type: Individual Superior
Project Title: The effects of a chemical fertilizer on plant growth

Ms Brittany D Schaefer OAS AWARD Sponsored Awards -if any
Grade:12 Project Type: Individual Superior
Project Title: The effect of polar and non-polar antioxidants on a protein found at an amphipathic site

Ms Anna M Wenning OAS AWARD Sponsored Awards -if any
Grade:11 Project Type: Individual Superior
Project Title: How to get the optimum solar heating of water flowing in coils

Lial, Whitehouse

Ms Elizabeth A Bancroft	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Superior	067 3rd 154 1st
<i>Project Title: Effects of temperature on tennis ball bounce</i>		

Ms Jessica A Schuster	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: Memory and the senses</i>		

Liberty Union HS, Baltimore

Ms Lauren A McKay	OAS AWARD	Sponsored Awards -if any
Grade:11 Project Type: Individual	Excellent	143 1st
<i>Project Title: The effect of the air intake speed and weight added on the efficiency of a hovercraft</i>		

Lippman Jewish Community Day, Akron

Mr Samuel I Scherbakov	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Excellent	
<i>Project Title: Friction machine</i>		

Litchfield MS, Akron

Ms Elizabeth L Wainwright	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Superior	
<i>Project Title: Chord progression patterns in classical music associated with the horror film genre</i>		

Ms Rachel L Weibel	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Excellent	
<i>Project Title: Secrets of sanitation: which brand of disinfecting wipe is most effective?</i>		

Little Flower, Toledo

Ms Lindsay M Clark	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Superior	
<i>Project Title: What works best to remove stains?</i>		

Mr Nick J Kelsey	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Excellent	
<i>Project Title: Concrete...is it important?</i>		

Mr Blake J Mielcarek
Grade:07 Project Type: Individual
Project Title: Model turbine

OAS AWARD
Superior

Sponsored Awards -if any
183 2nd 154 1st

Louisville HS, Louisville

Ms Heidi B Babos
Grade:12 Project Type: Individual
Project Title: Analysis of methanol in aged home canned tomatoes: Health risk?

OAS AWARD
Superior

Sponsored Awards -if any
031 1st 034 1st

Mr Michael G Baker
Grade:11 Project Type: Individual
Project Title: Effects of chemical road deicers sodium chloride (NaCl) and calcium chloride (CaCl₂) on soil cation exchanges within roadside ecosystems and the use of roadside wetlands to mitigate salt damages

OAS AWARD
Superior

Sponsored Awards -if any
090 1st 132 SCH

Ms Caitlin G Duckworth
Grade:09 Project Type: Individual
Project Title: The effects of color on memorization

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Christian G Duckworth
Grade:09 Project Type: Individual
Project Title: The effects of sleep on hand eye coordination and reaction time

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Mr Wade M Feielin
Grade:09 Project Type: Individual
Project Title: The effects of luminosity and color on peripheral vision in people

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Marissa C Fullmer
Grade:09 Project Type: Individual
Project Title: Distraction: The effects of music on concentration

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Travis P Gray
Grade:09 Project Type: Individual
Project Title: The effects of magnesium anodes on pipe corrosion

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jaron L Lohmeyer
Grade:09 Project Type: Individual
Project Title: The effect of alloy temperature on grain size

OAS AWARD
Superior

Sponsored Awards -if any

Ms Maggie M Reinmann
Grade:11 Project Type: Individual
Project Title: Biodegradable plastics

OAS AWARD
Superior

Sponsored Awards -if any

Ms Christine H Ritchie
Grade:11 Project Type: Individual
Project Title: Take it to the limit: A battle of bridges

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Logan A Walter
Grade:11 Project Type: Individual
Project Title: Alfalfa soil - The effects of different types of soils on the germination, growth and development of alfalfa

OAS AWARD
Superior

Sponsored Awards -if any
193 SCH 206 1st

Ms Kaitlyn S Boyer
Grade:11 Project Type: Team
Project Title: Ancient power

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jeffrey W Moore
Grade:11 Project Type: Team
Project Title: Ancient power

OAS AWARD
Excellent

Sponsored Awards -if any

Mapleton MS, Ashland

Ms Alaina B James
Grade:08 Project Type: Individual
Project Title: Acids: The effect on copper pennies

OAS AWARD
Excellent

Sponsored Awards -if any

Marion Catholic Jr/Sr HS, Marion

Mr Paul Baker
Grade:09 Project Type: Individual
Project Title: Which is a more effective rocket payload recovery system?

OAS AWARD
Excellent

Sponsored Awards -if any

Mary Help Of Christian, Fairborn

Ms Courtney E Sewell
Grade:08 Project Type: Individual
Project Title: Programmed for fashion - practical uses for computer programming

OAS AWARD
Excellent

Sponsored Awards -if any
055 1st

Marysville MS, Marysville

Mr Brandon R Dreiseidel OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Are hand dryers harmful?*

Mr James E Johnstone OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual 147 3rd
Project Title: *Terrific trebuchets*

Mason MS, Mason

Ms Sanika D Barve OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Magna damper*

Ms Kaitlin J Findley OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Worm composting*

Mr Alex R Holzer OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Parachutes and how they fall*

Ms Aarti Kumar OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual 067 2nd
Project Title: *Variables that affect natural battery output*

Ms Abby K Lebowitz OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The perfect chocolate chip cookie*

Mr Srikar Mylavarapu OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual 033 1st 154 1st
Project Title: *Plant growth with music: Which type helps plants grow the most?*

Mr Matthew Tan OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 080 3rd 134 2nd 154 1st
Project Title: *Bug power: Hydrogen gas from American cockroaches*

Ms Jamie L Sobotka
Grade:08 Project Type: Team
Project Title: Retention basins

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kaeleigh C Warfield
Grade:08 Project Type: Team
Project Title: Retention basins

OAS AWARD
Excellent

Sponsored Awards -if any

Massillon MS, Massillon

Mr Chase L Clevenger
Grade:08 Project Type: Individual
Project Title: Fuel cell vs. gas engine

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Lane B Louive
Grade:08 Project Type: Individual
Project Title: To breathe or not to breathe

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Connor J Smith
Grade:08 Project Type: Individual
Project Title: Elasticity of rubber bands at different temperatures

OAS AWARD
Superior

Sponsored Awards -if any

McKinley HS, Canton

Ms Kristen E Entwistle
Grade:12 Project Type: Individual
Project Title: Chemical analysis of lipid extracts in Liasis mackloti

OAS AWARD
Superior

Sponsored Awards -if any

McNicholas, Cincinnati

Mr Jacob M Boehm
Grade:09 Project Type: Individual
Project Title: The effects of feeding ethanol plant by-products to Holstein steers

OAS AWARD
Superior

Sponsored Awards -if any
050 1st 032 1st 142 SCH

Ms Katie M Johnstone
Grade:10 Project Type: Individual
Project Title: Remember

OAS AWARD
Superior

Sponsored Awards -if any

Ms Megan T Whitesell OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *A step towards justice*

Meadowbrook MS, Byesville

Ms Matthew D Daymut OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *What ruins car paint?*

Ms Maurie A DeLong OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which soft drink has the most carbonation?*

Ms Taylor P DeVold OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which broad head penetrates the deepest?*
051 1st 154 1st

Ms Alison N Furry OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The making of a flute*

Ms Abigail D Guiler OAS AWARD Good Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which diaper is more absorbent?*

Ms Briana L Morris OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Red red red natural dyes*

Mechanicsburg HS, Mechanicsburg

Ms Olivia V Adams OAS AWARD Good Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Can people taste the difference between organic and inorganic foods?*

Mr Ian-Taylor L Ainsworth OAS AWARD Good Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Acid rain*

Mr Logan R Eades OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Which crop prevents the most erosion?

Mr John C Horne OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: How does water temperature affect a saxophone reed?

Mr Benjamin M Pifher OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Why winglets?

Memorial HS, St Marys

Ms Heather L Bradford OAS AWARD Superior Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: Aureomycin: Effect on performance and carcass traits of developing heifers

Ms Diana M Saintignon OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: Fats: Instant energy or cause of exhaustion

Mentor HS, Mentor

Harold C. Shaw Outstanding School Award

Mr Nicholas L Denton OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: The creation and testing of magnetic nanoparticles with the potential to treat cancer

Ms Jessica N Foreman OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: Examining the alteration of the action potential and its effects on the Brugada Syndrome

Mr Cory E Kozlovich OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: Clinical characteristics of patients with chronic cough who respond to inhaled corticosteroids

Ms Cynthia L Molnar OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 023 1st 028 2nd
Project Title: An examination of the effects of birth order on one's intelligence level

Mr Anton M Vehovec OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: How increased activation of protein kinase c affects carcinoma cell migration

Miami Valley Career Tech Ctr, Clayton

Ms Sarah A Ramos OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual 034 3rd
Project Title: Does the female athlete triad exist in non athletes?

Miller City HS, Miller City

Ms Brittany L Schroeder OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual 142 SCH
Project Title: Comparative analysis of water qualities of the Blanchard and Auglaize Rivers in Putnam County, Ohio

Miller City MS, Miller City

Ms Meagan L Giblin OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 158 1st 154 1st
Project Title: What effect does wild oregano have on the destruction of different types of bacteria?

Ms Jessica M Leis OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Sugar content in apples

Ms Marissa G Schroeder OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: The effect of pinhole eyeglasses on vision deficiencies

Minerva HS, Minerva

Mr Conor D Freeland OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: Glutamic acid decarboxylase and its function in the brain

Mr Jeffrey K McPherson
Grade: 12 Project Type: Individual
Project Title: The oral epidemic

OAS AWARD
Excellent

Sponsored Awards -if any
011 3rd

Mr Christian A Wallenfelsz
Grade: 10 Project Type: Individual
Project Title: Speed of light

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Matthew G Granger
Grade: 11 Project Type: Team
Project Title: The effectiveness of encryption algorithms

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Elliot E Hall
Grade: 11 Project Type: Team
Project Title: The effectiveness of encryption algorithms

OAS AWARD
Excellent

Sponsored Awards -if any

Monroe JS, Monroe

Mr Eric M Stone
Grade: 07 Project Type: Individual
Project Title: Staph beware! Studying the most effective way to clean your hands

OAS AWARD
Superior

Sponsored Awards -if any

Mother Of Mercy, Cincinnati

Ms Gabrielle L Coors
Grade: 10 Project Type: Individual
Project Title: The effect of the water distribution system on water quality

OAS AWARD
Good

Sponsored Awards -if any

Mother Teresa Catholic, Liberty Twp

Mr John T Barnes
Grade: 07 Project Type: Individual
Project Title: How water pollution differs in area waters

OAS AWARD
Superior

Sponsored Awards -if any

Mount Orab MS, Mount Orab

Mr Graham G Griffith
Grade: 07 Project Type: Individual
Project Title: Does treated sewage discharge decrease macroinvertebrate populations?

OAS AWARD
Superior

Sponsored Awards -if any

Mr Avery W Morgan
Grade:07 Project Type: Individual
Project Title: The test of the toothpastes

OAS AWARD
Excellent

Sponsored Awards -if any

Mt Notre Dame, Cincinnati

Ms Akanksha Mishra
Grade:09 Project Type: Individual
Project Title: Global dimming is as responsible as global warming for the universal climate change

OAS AWARD
Superior

Sponsored Awards -if any
079 HM 142 SCH

Mt Vernon HS, Mt Vernon

Ms Jessica L McQuigg
Grade:11 Project Type: Individual
Project Title: Over the counter effectiveness

OAS AWARD
Superior

Sponsored Awards -if any
148 1st 171 SCH 199 4th

Mt Vernon MS, Mt Vernon

Ms Meridia D Brooks
Grade:07 Project Type: Individual
Project Title: How do fears change with age?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Steven K Duvall
Grade:07 Project Type: Individual
Project Title: How clean are your hands? Bacteria on surfaces

OAS AWARD
Superior

Sponsored Awards -if any

Ms Sarah R Fowler
Grade:07 Project Type: Individual
Project Title: Will a cat react to native or exotic bird calls the quickest?

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Willa Kerkhoff
Grade:07 Project Type: Individual
Project Title: Does caffeine affect heart rate in Daphnia?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Zachary I McQuigg
Grade:07 Project Type: Individual
Project Title: Do video games affect your heart rate or blood pressure?

OAS AWARD
Superior

Sponsored Awards -if any

North HS, Springfield

Mr Rohit K Nezhad Grade:10 Project Type: Individual <i>Project Title: Which brand of cola affects teeth the most?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Krishna D Vellanki Grade:12 Project Type: Individual <i>Project Title: The effect of urbanization on water quality in Buck Creek (Springfield OH)</i>	OAS AWARD Excellent	Sponsored Awards -if any 080 HM
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North Union MS, Richwood

Mr Riley D Hall Grade:07 Project Type: Individual <i>Project Title: Agricultural water management: using subsurface agricultural drainage systems to retain water for drought</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Mr Dakota T Howell Grade:07 Project Type: Individual <i>Project Title: Does speed affect lift</i>	OAS AWARD Superior	Sponsored Awards -if any
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Northland HS, Columbus

Ms Jasmine S Harris Grade:11 Project Type: Team <i>Project Title: Photosynthesis</i>	OAS AWARD Good	Sponsored Awards -if any
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Ms Angelina M Matthews Grade:11 Project Type: Team <i>Project Title: Photosynthesis</i>	OAS AWARD Good	Sponsored Awards -if any
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Norwalk Catholic, Norwalk

Mr Michael F Hanneman Grade:09 Project Type: Individual <i>Project Title: Solar water heater</i>	OAS AWARD Excellent	Sponsored Awards -if any
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Ms Alexis M Hipp Grade:08 Project Type: Individual <i>Project Title: Five second rule: Fact or fiction?</i>	OAS AWARD Superior	Sponsored Awards -if any
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Mr Bradley M Metcalfe OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Shake things up*

Ms Sarah E Rhoad OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual 142 SCH
Project Title: *Sunblock: Generic vs. name brand*

Mr Erik D Stanbery OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual 134 1st
Project Title: *The effect of the movement of fluid on electrogalvanism*

Mr Christopher R.T. Stang OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Effect of temperature on air pressure*

Notre Dame Academy, Toledo

Ms Franceska N Edinger OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *How do ripe apples affect the time it takes a pear to ripen?*

Ms Kerigan S McNamara OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *How do age and gender affect memory?*

Notre Dame Jr/Sr HS, Portsmouth

Ms Janaki J Patel OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Essential oils - nature's defense against disease*

Oakwood MS, Canton

Mr Branavan V Ragunathan OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *An analysis of various color's effects on an individual's math score on the S.A. T. exams*

Ohio Virtual Academy, Maumee

Ms Emily G Flower	OAS AWARD	Sponsored Awards -if any
Grade:10 Project Type: Individual	Superior	
<i>Project Title: Garlic: Curiously strong</i>		

Olentangy Liberty MS, Powell

Mr Nicholas A Fahrenkrog	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Superior	
<i>Project Title: Color absorption: primary vs. secondary</i>		

Ms Amy E Stanfill	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Superior	
<i>Project Title: How does candle shape affect wax consumption?</i>		

Olentangy Shanahan MS, Lewis Center

Ms Courtney K Kerin	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Team	Excellent	133 2nd
<i>Project Title: Snack time: does a goat's snack preference vary based on age, breed or pregnancy?</i>		

Ms McKinley A Roll	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Team	Excellent	133 2nd
<i>Project Title: Snack time: does a goat's snack preference vary based on age, breed or pregnancy?</i>		

Orrville JS, Orrville

Mr Benjamin J Lorson	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Superior	
<i>Project Title: What type of energy drink will most dramatically affect an athlete's heart rate during exercise?</i>		

Ottawa ES, Ottawa

Ms Alison M Nash	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	087 1st
<i>Project Title: Bacteria</i>		

Ottoville HS, Ottoville

Mr Edward A Luersman	OAS AWARD	Sponsored Awards -if any
Grade:10 Project Type: Individual	Superior	157 1st
<i>Project Title: Cloning: The micropropagation of African violets</i>		

Ms Audrey E Rieger OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *I can't hear you! Absorbing, refracting and reflecting sound*

Mr Derek J Schimmoeller OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Pitching: grips, kicks and velocity*

Ms Abby L Siefker OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Bacteria blasters: herbs or antibiotics?*

Ms Kara A Hoersten OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: *Keeping bacteria off cheese*

Ms Victoria R Jackson OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: *Keeping bacteria off cheese*

Our Lady of Lourdes, Cincinnati

Mr Scott T Abernathy OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Corrosion: To rust or not to rust*

Mr Robert C Capannari OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The human battery*

Ms Elizabeth A Kenkel OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Which plastic grocery bag holds the most weight?*

Mr Steven R Pfaffinger OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Does exercise affect short term memory*
028 2nd 148 1st

Mr Nathan W Rieth OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent 080 3rd
Project Title: *Wetlands - Go green go clean*

Our Lady Of Peace, Canton

Mr Matthew J McGervey OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *The effect of material properties on heat transfer*

Our Lady Of Perpetual Help, Grove City

Mr Aaronn P Adair OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Does secondhand smoke affect lung capacity?*

Ms Alyssa M Baum OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *What system of water filtration makes water cleanest?*

Ms Kathleen E Cooper OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: *Does exercise improve one's memory?*

Mr Macon A Derleth OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior 183 1st 154 1st
Project Title: *Can the warmth generated from compost heat a space?*

Mr Graham S Fulks OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Which mouthwash is more effective?*

Mr Wallace J Huggett OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *What are the effects of different hydroponic solutions on oat plants?*

Ms Ellen M Johnston OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Which water is best?*

Ms Devonah K Kaiser OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Who has the better memory-males or females?*

Mr Adam R Karrasch OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *What is the most effective dish detergent?*

Ms Alexis M Mayle OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Can students identify fruit juices better with their sense of taste and smell?*

Mr Cole A Schott OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Do natural or chemical disinfectants reduce bacterial growth better?*

Mr Jonas A Wahl OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Why winglets: Do winglets help a paper plane fly better?*

Our Lady Of The Elms, Akron

Ms Brittany A Long OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 034 3rd 154 1st
Project Title: *Fuel for the human engine*

Our Lady Of Visitation, Cincinnati

Ms Amy M Feie OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *What type of softball bat will make a softball travel the farthest: wood, aluminum or composite?*

Ms Emily M Igel OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Is bottled water best?*

Mr Eric C Heyd OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Team
Project Title: *Pneumatics*

Mr Zak P Lutz
Grade:08 Project Type: Team
Project Title: *Pneumatics*

OAS AWARD
Excellent

Sponsored Awards -if any

Padua Franciscan, Parma

Mr Jonathan R Ungvarsky
Grade:11 Project Type: Individual
Project Title: *Trick or treat or toxic treat? Does foreign candy contain lead?*

OAS AWARD
Superior

Sponsored Awards -if any
105 2SCH 175 1st

Paint Valley HS, Bainbridge

Mr Rowan L Baird
Grade:10 Project Type: Individual
Project Title: *Watershed monitoring: Modeling the correlation of turbidity and precipitation intensity*

OAS AWARD
Superior

Sponsored Awards -if any
079 HM 142 SCH

Ms Khrista M Lightfoot
Grade:09 Project Type: Individual
Project Title: *All eyes on you*

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Ms McKenzie P Reutinger
Grade:11 Project Type: Individual
Project Title: *Battle of the biodiesels*

OAS AWARD
Superior

Sponsored Awards -if any
080 3rd 204 1st

Paint Valley MS, Bainbridge

Mr Logan P Ackley
Grade:08 Project Type: Individual
Project Title: *What affect does size have on memory?*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Elizabeth A Krech
Grade:08 Project Type: Individual
Project Title: *Does driving while talking on a cell phone affect reaction time?*

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jason W Nadeau
Grade:08 Project Type: Individual
Project Title: *Subliminal soda*

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Silas E Pulliam
Grade:07 Project Type: Individual
Project Title: I see Vitamin C

OAS AWARD
Superior

Sponsored Awards -if any

Patrick Henry HS, Hamler

Mr Jacob D Buenger
Grade:10 Project Type: Individual
Project Title: The feasibility of carbon dioxide fumigation

OAS AWARD
Excellent

Sponsored Awards -if any

Patrick Henry MS, Hamler

Mr Samuel M Black
Grade:07 Project Type: Individual
Project Title: Truss bridges

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kara N Klein
Grade:07 Project Type: Individual
Project Title: The effect of pH levels on the growth of hydroponic lettuce

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Lindsey M Meyer
Grade:07 Project Type: Individual
Project Title: Vitamin C levels in orange juice

OAS AWARD
Superior

Sponsored Awards -if any

Paulding HS, Paulding

Mr Andrew B Favorito
Grade:09 Project Type: Individual
Project Title: In the absence of amusia, how great is the effect of instrumental music training on the occurrence of a tin ear?

OAS AWARD
Excellent

Sponsored Awards -if any

Peebles HS, Peebles

Ms Kelsey L Bengtson
Grade:08 Project Type: Individual
Project Title: Weightin' around

OAS AWARD
Excellent

Sponsored Awards -if any

Perrysville JS, Perrysville

Ms Mara L Cooperrider
Grade:08 Project Type: Individual
Project Title: Plants and fertilizers

OAS AWARD
Superior

Sponsored Awards -if any

Pettisville HS, Pettisville

Ms Kendahl L Baer OAS AWARD Superior Sponsored Awards -if any
142 SCH
Grade:10 Project Type: Individual
Project Title: *The effect of launch angle on the horizontal and vertical displacement of clay pigeons*

Mr Logan D Beck OAS AWARD Good Sponsored Awards -if any
070 HM
Grade:08 Project Type: Individual
Project Title: *Acid rain and it's effect on metals*

Ms Ashlyn N Bontrager OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Word color: Color affects the ability to read ink printed words*

Ms Emily R Borton OAS AWARD Excellent Sponsored Awards -if any
085 HM
Grade:08 Project Type: Individual
Project Title: *The effect of temperature on gas released from soda*

Ms Ashley E Eicher OAS AWARD Excellent Sponsored Awards -if any
019 SCH 169 9th 032 3rd
Grade:10 Project Type: Individual
Project Title: *The effects of gibberellic acid on sunflower vertical growth*

Ms Lauren M Frey OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The effect of gender in Dance Dance Revolution*

Ms Yu Lin Lin Huang OAS AWARD Superior Sponsored Awards -if any
159 1st
Grade:11 Project Type: Individual
Project Title: *Emergency power generation for PEM fuel cells in remote locations*

Ms Lexie King OAS AWARD Excellent Sponsored Awards -if any
080 HM
Grade:08 Project Type: Individual
Project Title: *The effect of black walnut leaves, mustard and rye on weed seeds*

Ms Taylor Kruse OAS AWARD Superior Sponsored Awards -if any
033 2nd 154 1st
Grade:08 Project Type: Individual
Project Title: *Analysis of pedigree of the color variety of a ruby eyed white doe*

Mr Luke J Meller OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The effect of wing shape on flight distance*

Ms Rebekah A Meller OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 008 SCH 199 1st 032 1st
Project Title: *The effect of different cutting methods and garlic types on the growth of Escherichia coli in liquid culture and the natural microbiota in ground beef*

Ms Kaitlin R Nofziger OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The effect of eye dominance while shooting foul shots*

Mr Jeremy L Rupp OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 182 1st 199 2nd
Project Title: *To develop virus resistance in Cucurbita pepo*

Ms Laura J Rupp OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The effect of various types of light on scrapbook paper*

Ms Kelsey E.F. Waidelich OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of temperature on the distance a soccer ball is kicked*

Piketon Jr/Sr HS, Piketon

Ms Laura S Bailey OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 134 3rd 187 1st
Project Title: *A comparative analysis of nitrate detection methods*

Mr Jon B Crace OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Golf balls: the higher price the lower the score?*

Mr Cassidy A Fox OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual 034 3rd 169 4th
Project Title: *Detecting vitamin C: A four year study*

Ms Taila J Hodge
Grade:08 Project Type: Individual
Project Title: Human battery: A third year project

OAS AWARD
Superior

Sponsored Awards -if any

Portsmouth HS, Portsmouth

Mr David P Pettit
Grade:10 Project Type: Individual
Project Title: MRSA in health care settings

OAS AWARD
Superior

Sponsored Awards -if any

Mr Evan M Sommer
Grade:09 Project Type: Individual
Project Title: Carbon footprint: The effect of electricity on global warming

OAS AWARD
Superior

Sponsored Awards -if any

Ridgedale Jr/Sr HS, Morral

Ms Kierstan I Neagles
Grade:08 Project Type: Individual
Project Title: Vermiposting

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Leah E Rogers
Grade:11 Project Type: Individual
Project Title: Totally soil

OAS AWARD
Superior

Sponsored Awards -if any
012 SCH 175 HM

Ridgewood HS, W Lafayette

Mr Hunter A Belt
Grade:08 Project Type: Individual
Project Title: How does H2O affect turkey calls?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Daniel J Burch
Grade:08 Project Type: Individual
Project Title: Open flame and cloth

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Celia M Gress
Grade:08 Project Type: Individual
Project Title: Fracture

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Amy J Faison OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Popcorn mania

Ms Bridget K Garnai OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Give me a break - A commercial break

Ms Laura A Miller OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: Household bacteria

Mr Zachary K Wantz OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: Blood sugar levels and carbohydrate intake in the diabetic

Roosevelt MS, Springfield

Mr Samuel S Thompson OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Which sense stimulates more fear in the human being: sight or sound?

Rosemore MS, Whitehall

Mr Devin T Patterson OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: What type of bread grows mold the fastest in different environments

Mr Brandon P Payne OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Which brand of laundry detergent removes stains the best?

Sandy Valley HS, Magnolia

Ms Maria E Diehl OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Music and the brain: Does music style affect test scores and times?

Mr Taylor J Diehl OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *How does temperature affect the length of a butterfly's metamorphosis?*

Shawnee HS, Springfield

Ms Taylor R Stewart OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *Wastewater treatment systems and dissolved oxygen*

Sheridan MS, Thornville

Mr Caleb C Heidenreich OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Reflection of light*

Ms Anastasia M Johnson OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *A solar heating and cooling device for the home*

Shiloh MS, Plymouth

Mr Zachary T Arnold OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Smoke detectors: Optical vs. ionization*

Ms Katharine L Brodzeller OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Flight turned upside down*

Ms Sherry A Brubaker OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Vitamin C: Oranges*
032 2nd 154 1st

Mr Levi T Myers OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Sandbagging*

Solon HS, Solon

Mr Sarat Tallamraju	OAS AWARD	Sponsored Awards -if any
Grade:10	Superior	036 1st 041 1st 134 1st
Project Type: Individual		
Project Title: <i>Can pond scum be the future of alternative energy? Extracting oil from algae: a study of variables affecting biofuel production</i>		

Solon MS, Solon

Ms Samantha H Basch	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>Ears vs. eyes, guys vs. girls: Visual vs. auditory memories of males and females</i>		

Mr Raghav Bhargava	OAS AWARD	Sponsored Awards -if any
Grade:08	Excellent	
Project Type: Individual		
Project Title: <i>Effect of ultraviolet on yeast fermentation of different fruit juices</i>		

Mr Michael Y Chen	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>Lights out! The effect of light sources on glow in the dark paint</i>		

Ms Erin M Finnerty	OAS AWARD	Sponsored Awards -if any
Grade:08	Excellent	
Project Type: Individual		
Project Title: <i>Kool-aid chromatography</i>		

Ms Lisa N Guo	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	067 2nd 154 1st
Project Type: Individual		
Project Title: <i>How the magnetic field strength affects the speed of a motor</i>		

Mr Max Haiss	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	
Project Type: Individual		
Project Title: <i>How does water flow affect turbidity?</i>		

Ms Vibhuti Krishna	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	145 2nd 148 2nd 154 1st
Project Type: Individual		
Project Title: <i>Eye am aware. A study on microorganisms in eyewash stations</i>		

Mr Michael B Li	OAS AWARD	Sponsored Awards -if any
Grade:08	Superior	189 1st 154 1st
Project Type: Individual		
Project Title: <i>The human perception of different musical modes</i>		

Ms Tiffany H Li
Grade:08 Project Type: Individual
Project Title: *Solar power*

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Yuxi Liu
Grade:08 Project Type: Individual
Project Title: *Life's smallest wonder: how does UV irradiation affect it?*

OAS AWARD
Superior

Sponsored Awards -if any

Mr Andrew B Mikofalvy
Grade:08 Project Type: Individual
Project Title: *Lifter technology*

OAS AWARD
Superior

Sponsored Awards -if any

Mr Jacob M Oet
Grade:08 Project Type: Individual
Project Title: *The effect of sound on convergent ladybug beetles (*Hippodamia convergens*) and pomace flies (*Drosophila*)*

OAS AWARD
Superior

Sponsored Awards -if any
136 HM 032 2nd 154 1st

Mr Wei Qu
Grade:08 Project Type: Individual
Project Title: *Effects of caffeine, alcohol, and antioxidants on the chemotherapeutic efficacy of Gleevec*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Sarah A Richards
Grade:08 Project Type: Individual
Project Title: *Effects of music on heart rate*

OAS AWARD
Excellent

Sponsored Awards -if any

Mr John Zeng
Grade:08 Project Type: Individual
Project Title: *What conditions will result in the most liquefaction?*

OAS AWARD
Superior

Sponsored Awards -if any
079 1st 154 1st

Mr Roger Zou
Grade:08 Project Type: Individual
Project Title: *Effects of alcohol on the survival of cancer cells*

OAS AWARD
Excellent

Sponsored Awards -if any

South HS, Springfield

Ms Kaneshia P Hall
Grade:12 Project Type: Individual
Project Title: *How will acidic solutions affect the pH and formation of sugar crystals?*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Carly V Martin OAS AWARD Sponsored Awards -if any
Excellent
Grade: 12 Project Type: Individual
Project Title: *Does the fluoridation of water have a long term effect on short term memory?*

Ms Tiffany N Ray OAS AWARD Sponsored Awards -if any
Superior
Grade: 12 Project Type: Individual
Project Title: *Which milk has the most protein present?*

Ms Whitney D Reshonsky OAS AWARD Sponsored Awards -if any
Superior
Grade: 12 Project Type: Individual
Project Title: *Phytoremediation: Which stage of development of sunflowers will extract the greatest amount of copper?*

Ms Jazmyne D Scott-Jones OAS AWARD Sponsored Awards -if any
Excellent
Grade: 12 Project Type: Individual
Project Title: *Cinnamon and peppermint flavoring*

South Point HS, South Point

Ms Brianna L Barnes OAS AWARD Sponsored Awards -if any
Excellent
Grade: 10 Project Type: Individual
Project Title: *A bathroom myth busted*

Ms Amber N Goodall OAS AWARD Sponsored Awards -if any
Excellent
Grade: 10 Project Type: Individual
Project Title: *Seed germination and salinity*

South Vienna MS, S Vienna

Ms Elisabeth A Ludvigsen OAS AWARD Sponsored Awards -if any
Excellent
Grade: 08 Project Type: Individual
Project Title: *Effects of citrus on pH on metal*

Southeastern HS, Chillicothe

Mr Christian M Pugh OAS AWARD Sponsored Awards -if any
Excellent
Grade: 09 Project Type: Individual
Project Title: *How does your garden grow?*

St Agatha, Columbus

Mr Patrick A Bouchard OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of musical speed on task completion*

Mr Christopher C Brake OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of age on laterality preference performance gap*

Mr Juan M Cortes-Fontcuberta OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of native and foreign language practice on tongue twister proficiency*

Ms Lydia E DeVault-Arn OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Laterality and oppositional direction striking of cats: Do cats exhibit handedness in striking?*

Ms Patricia M Fox OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of size, location and flavor of a treat on a dog's preference*

Ms Krystina E Garabis OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of intentional humor matched to learning style preferences. Help or hindrance?*

Mr Corey A Hayes OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *An exercise to remember*

Ms Katie R Kapusta OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of memory method on short term retention*

Ms Allie E Keegan OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of potential binary solar system star colors on plant growth and development*

St Albert The Great, Kettering

Ms Lauren M Blommel OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Good
Project Title: Disturbing electromagnetic fields

Ms Kateri M Dillon OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior 028 2nd 154 1st
Project Title: At what age can children see from another's perspective?

St Albert The Great, N Royalton

Mr Robert T Brown OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: Field of GOALden performance

Mr Wesley M Watkins OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: You look radishing!

St Aloysius, Bowling Green

Mr Eddie V Cantwell OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Algae's favorite color

Ms Lilian G Murnen OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Music's effect on the human body and mind

Mr Justin M Paulus OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: The race of the liquids

Ms Erin E Seiler OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: Vertical jump: Is it correlated to leg length?

Mr Shannon M Skarha OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: What did you say before?: Does gender affect verbal linguistic abilities?

Ms Nicole M Szparagowski OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *It's hot, hot, hot*

St Aloysius, E Liverpool

Ms Britany N Riddle OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Which antacid will neutralize stomach pH the most?*

St Andrew, Columbus

Ms Victoria I Farhat OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Does age affect blinking?*

Ms Megan E Fisher OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual 080 HM
Project Title: *Which chemical is the safest, most inexpensive and the most effective at killing bacteria?*

Mr Michael A George OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Do cell phones affect driving?*

Ms Lindy K Gill OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *To pop or not to pop*

Ms Maura N Haines OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Which banana group will be the sweetest and the ripest in a week?*

Ms Colleen K Kaminski OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *What is the best temperature of water to activate dry active yeast?*

Ms Anne E Montalto OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Is plant growth affected by low or high concentration of fertilizer?*

Mr Brian J Vetter
Grade:07 Project Type: Individual
Project Title: *Wind power*

OAS AWARD
Superior

Sponsored Awards -if any

Ms Brandi L Wells
Grade:07 Project Type: Individual
Project Title: *What leavening agent helps baked goods rise better?*

OAS AWARD
Excellent

Sponsored Awards -if any

St Andrew/St Elizabeth A Seton, Milford

Mr Grayson P Dennis
Grade:08 Project Type: Individual
Project Title: *Subatomic particles - seeing the unseen*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Haley E Johnson
Grade:07 Project Type: Individual
Project Title: *The effects of age and gender on taste*

OAS AWARD
Excellent

Sponsored Awards -if any
148 2nd

Mr Riley D Johnstone
Grade:07 Project Type: Individual
Project Title: *Driving and cell phones*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Madeline G Lindner
Grade:07 Project Type: Individual
Project Title: *The effectiveness of honey minimizing the growth of mold*

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Autumn Grace Peterson
Grade:07 Project Type: Individual
Project Title: *Which type of floor joist will support a load longer while under fire; solid wood joist or an I-joist?*

OAS AWARD
Superior

Sponsored Awards -if any
061 1st 154 1st

St Benedict, Cambridge

Mr Michael J Janosko
Grade:08 Project Type: Individual
Project Title: *Solar power*

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Bryan J Ricketts
Grade:08 Project Type: Individual
Project Title: *Does humidity affect the dielectric constant of air?*

OAS AWARD
Excellent

Sponsored Awards -if any

St Bernard School, Cincinnati

Ms Lauren C Carroll OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Team 133 1st 154 1st
Project Title: How do energy drinks affect heart rate?

Ms Stephanie N Cline OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Team 133 1st 154 1st
Project Title: How do energy drinks affect heart rate?

Mr Anthony D DiMuzio OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Team
Project Title: Which wheel type has the best overall traction for varying terrains?

Ms Sadie A DiMuzio OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: Which wheel type has the best overall traction for varying terrains?

St Brigid ES, Xenia

Ms Raenne M Busch OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Kickin' it under pressure

Ms Kelsey A Haynes OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Train your brain

Mr Sam M Kaiser OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Bridges

St Brigid of Kildare, Dublin

Mr Matthew J Dunn OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Wing design and flight

Mr Thomas S Gallagher
Grade:08 Project Type: Individual
Project Title: Launch angle

OAS AWARD
Excellent

Sponsored Awards -if any

St Catharine of Siena, Cincinnati

Mr Tywan D Wade
Grade:08 Project Type: Individual
Project Title: Burning calories: An experimental discovery of calories in food

OAS AWARD
Excellent

Sponsored Awards -if any

St Charles, Lima

Harold C. Shaw Outstanding School Award

Mr Michael J Frankart
Grade:08 Project Type: Individual
Project Title: Heartburn remediation: a comparison between over-the-counter treatments and home remedies

OAS AWARD
Superior

Sponsored Awards -if any
148 1st 154 1st

Ms Devan M Guagenti
Grade:08 Project Type: Individual
Project Title: How dirty is your toothbrush?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Anna F Heider
Grade:08 Project Type: Individual
Project Title: How effective is our school's disinfectant?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Zachary B Jamal
Grade:08 Project Type: Individual
Project Title: E S P A C: Electric solar powered air car

OAS AWARD
Superior

Sponsored Awards -if any
080 1st 154 1st

Ms Robin S Klaus
Grade:08 Project Type: Individual
Project Title: Lake Erie water clarity: Is wind a contributing factor?

OAS AWARD
Superior

Sponsored Awards -if any
070 HM 079 HM 154 1st

Mr Shayna L Niese
Grade:08 Project Type: Individual
Project Title: Does age affect the Stroop Effect

OAS AWARD
Superior

Sponsored Awards -if any

Mr John P Wieser OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Comparisons of bone mineral densities between participants with and without previous forearm fractures*

St Christine, Youngstown

Mr Shane W Conway OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual 145 3rd 154 1st
Project Title: *Accelerating pain reliever dissolution*

Ms Cali E Gialousis OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effects of acid rain on the germination of seeds*

Mr Robert F Marsch OAS AWARD Good Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Light up my world!*

Mr Daniel T McBride OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Varying voltage affecting the properties of D/C proximity sensors*

Ms Kelly M McHenry OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Left handedness: Male vs. female*

Ms Alyssa M Rafoth OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The color preference of girls versus boys*

St Columban, Loveland

Mr Matthew J Abele OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Light cents*

Ms Bridget E Clancy OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *B. cereus*

Ms Mary L Conroy OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Which season? Which motor oil?*

Ms Madeline C Delgado OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: *Oral bacteria in cats and dogs*

Ms Courtney L Fasola OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: *Forever fresh?*

Mr Ryan T Judd OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Aging apples*

Mr Michael P Madden OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: *Oregano oil the bacterial neutralizer*
145 1st 154 1st

Ms Katrina A Maricocchi OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *Which material most effectively prevents evaporation?*
032 3rd

Ms Maria T Mattei OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *Sink or float?*

Mr Andrew X Nguyen OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Superior
Project Title: *The breaking point*

Mr Max D Olberding OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: *Would you drink from that?*

Ms Annelise C Page OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Mom or dad? Who has more scents? Which parent can identify their child by scent?

Mr Sean T Redmond OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual 139 3rd 154 1st
Project Title: Fuel cells: Energy vs. efficiency

Mr Christian M Rosnell OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Rates of combustion of different types of wood

Mr Michael L Schott OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Insulation situation

Mr Joseph K Wells OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Turn that turbine

Mr Matthew G Bauke OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Team 162 1st
Project Title: Glider flight test

Ms Elissa M How OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: Is acid rain killing North America's aquatic life?

Ms Emily A How OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Team
Project Title: Is acid rain killing North America's aquatic life?

Mr Braden Miller OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Team 162 1st
Project Title: Glider flight test

St Dominic, Shaker Hts

Ms Molly C Clark OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Plants: Symmetry, inside and out*

Mr Nathan R Coyne OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual 139 3rd
Project Title: *What gasoline is most efficient in a lawn mower engine?*

Mr Ian W McDonald OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effect of acid rain on pond organisms*

St Edward, Ashland

Ms Melissa K Dix OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Microwave effects on bean seeds*

Ms Emily R Pauly OAS AWARD Good Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Palates of age*

Mr John D Tomchak OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Will oxygenated water affect the growth rate of plants?*

St Francis Xavier, Medina

Ms Regina M Bandwen OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The effects of color on taste perception*

Mr John D Cloud OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *How safe is your baby in a fire?*

Ms Angela Como OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual 080 2nd
Project Title: *What is the trick to green fuel?*

St Hilary, Fairlawn

Ms Jazmin M Johnson

Grade:07 Project Type: Team

Project Title: *Everyday bacteria!*

OAS AWARD

Excellent

Sponsored Awards -if any

Ms Sarah T Kornick

Grade:07 Project Type: Team

Project Title: *Everyday bacteria!*

OAS AWARD

Excellent

Sponsored Awards -if any

Mr John K Scantling

Grade:07 Project Type: Team

Project Title: *Swish: the perfect shot*

OAS AWARD

Superior

Sponsored Awards -if any

Mr Ben W Stocker

Grade:07 Project Type: Team

Project Title: *Swish: the perfect shot*

OAS AWARD

Superior

Sponsored Awards -if any

St Ignatius, Cleveland

Mr Shrey P Shah

Grade:11 Project Type: Individual

Project Title: *Rare earth fibrous oxides as selective emitters in thermophotovoltaic applications*

OAS AWARD

Superior

Sponsored Awards -if any

058 1st 106 1SCH 195 3rd

St Ignatius Loyola, Cincinnati

Mr Samuel M Fronk

Grade:08 Project Type: Team

Project Title: *Which trestle bridge is the strongest?*

OAS AWARD

Excellent

Sponsored Awards -if any

Mr John M Lewnard

Grade:08 Project Type: Team

Project Title: *Which trestle bridge is the strongest?*

OAS AWARD

Excellent

Sponsored Awards -if any

Mr Jeffrey S Nader

Grade:08 Project Type: Team

Project Title: *Which trestle bridge is the strongest?*

OAS AWARD

Excellent

Sponsored Awards -if any

St Joseph, Galion

Ms Kayla N Duryea OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Sound and vocal chords*

Ms Madeline L Novack OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Color blindness screening in an elementary school: gender based differences*

St Joseph, Maumee

Ms Gwen B Brassell OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which retardant inhibits fire most effectively?*

Mr Samuel P Johnson OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Windows and heat loss*

Mr Matthew J Milz OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual 087 3rd
Project Title: *The good, the bad, and the ugly of the indoor air quality at St. Joseph Catholic School*

St Joseph, Sylvania

Mr Andrew J Boellner OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *What kind of salt melts ice the fastest?*

Ms Marissa L Fernandez OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Does age affect short term memory?*

Ms Christina E Hoehn OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Is the five second rule true?*

Ms Mary C Zavell OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 084 1st 154 1st
Project Title: *What finishing product protects a surface the best?*

Ms Molly C Ziemkiewicz OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Do hot tubs soothe or strain your heart?*

St Joseph Central, Ironton

Ms Spencer A Hammond OAS AWARD Sponsored Awards -if any
Grade:11 Project Type: Individual Superior
Project Title: *How does changing the particle size of a reactant and the temperature of the water in which it dissolves affect the rate of the chemical reaction?*

Ms Glennie J Hopkins OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Soap: which works best?*

Ms Anna V Mollett OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *How much DNA is in a strawberry?*

Ms Catherine E Redden OAS AWARD Sponsored Awards -if any
Grade:11 Project Type: Individual Excellent
Project Title: *Just how clean are public restrooms*

Ms Victoria L Redden OAS AWARD Sponsored Awards -if any
Grade:10 Project Type: Individual Superior
Project Title: *Da Vinci's design*

Ms Maria E Walters OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Which disinfectant works best?*

St Jude, Cincinnati

Ms Monica M Phipps OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *Types of fertilizer and their effect on plant growth*
136 HM

Ms Abby R Cruse OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Team Excellent
Project Title: *The effects of energy drinks on the human body*

Ms Shannon M St George OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Team Excellent
Project Title: *The effects of energy drinks on the human body*

St Jude, Elyria

Ms Stephanie M Decker OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Pop! Soda carbonation*

Ms Sarah A Miller OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *Plaster of Paris: Can it be strengthened?*

Ms Elizabeth A Pienoski OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *Oil slicks*

St Louis, Louisville

Ms Angela A Grosswiller OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *What's in your water?*

Mr Seth L Lamp OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *How does age, gender and hand dominance affect the ability to solve Sudoku puzzles?*

Ms Elaine K Souder OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: *Friction: Get a grip*

Mr Michael L Thomas OAS AWARD Sponsored Awards -if any
Grade:08 Project Type: Individual Excellent
Project Title: *Are you brushing correctly?*

Ms Jenelle L Vincent OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Does hearing the music in Guitar Hero affect how well you play?*

St Louis ES, Owensville

Mr Eaisa N David OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 105 1st 154 1st
Project Title: *The effect of design for semi-trucks and trailers on drag reduction and tailgate pressure improvement*

Ms Maggie E Luther OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Yeast fermentation*

St Luke, Beavercreek

Mr William R Hauber OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *The strength of wet vs. dry wood*

Mr Brenton R Jennewine OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Fuel energy*

St Mary, Cincinnati

Mr Alexander Helmicki OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Lichenometry: A study of dating using lichen growth*

Mr Alex P Sherlock OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Piezoelectric properties*

St Mary, Delaware

Ms Rachael E Bayes OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Does aromatherapy affect a horse's performance?*

Mr Justin C Clifford OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Does personal plastic water bottles harbor bacteria growth after opening and partial usage?

Ms Mary L Murray OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: How does the pH level of the water affect plant growth?

Ms Elise M Sheppard OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Do uniforms affect children's school performance?

Ms Hannah N Tucky OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Does access to food affect how near horses eat to poisonous plants?

St Mary, Marietta

Ms Esther E Dehmlow OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Poor pitch put to the test
189 1st 154 1st

Ms Paige N Griffith OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Break down and dissolving of calcium carbonate

Ms Rachel E Nill OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Acid rain: Pain or gain for plant growth?

Mr Michael S Reese OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: How does acid rain affect building materials

Ms Jenna R Yeomans OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: Does live food help fish to thrive?
030 HM 154 1st

St Mary, St Clairsville

Mr Nicholas J Makris	OAS AWARD	Sponsored Awards -if any
Grade:07 Project Type: Individual	Excellent	
<i>Project Title: What's with that cube: What's the fastest way to solve a Rubik's cube?</i>		

St Michael, Worthington

Ms Maria E Damo	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: Do disinfectants kill germs on hospital toys?</i>		

Ms Madalyn Hennessy	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: Do different types of glass respond differently to fertilizer?</i>		

Mr Ben E Natarian	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	083 2nd
<i>Project Title: What is the best filler material for a sandbag in emergency flood control?</i>		

St Paschal Baylon, Cleveland

Ms Ellen M Kuerbitz	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Superior	
<i>Project Title: Breeding badder bugs: Can bacteria acquire resistance to alcohol based hand sanitizers?</i>		

St Patrick Of Heatherdowns, Toledo

Mr Michael H Czerniakowski	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: The physics of cheating in baseball</i>		

Mr Anthony C Drouillard	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Excellent	
<i>Project Title: How does height and angle affect the speed of roller coasters?</i>		

Mr Christopher T Field	OAS AWARD	Sponsored Awards -if any
Grade:08 Project Type: Individual	Superior	
<i>Project Title: Which light bulb works best?</i>		

Ms Jordan R Giovannucci
Grade:08 Project Type: Individual
Project Title: Is salsa corrosive?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Jacob M Hansen
Grade:08 Project Type: Individual
Project Title: Harnessing the wind

OAS AWARD
Superior

Sponsored Awards -if any
070 HM 154 1st

Mr Eric P Hipp
Grade:08 Project Type: Individual
Project Title: Which lubricant creates the least amount of friction?

OAS AWARD
Superior

Sponsored Awards -if any

St Paul, N Canton

Mr Robert T Barbush
Grade:07 Project Type: Individual
Project Title: Which ball travels the farthest when hit with a wooden bat?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr John J Flynn
Grade:07 Project Type: Individual
Project Title: How does the placement of weight affect how fast a model car goes?

OAS AWARD
Superior

Sponsored Awards -if any

Mr Joshua M Ippolito
Grade:07 Project Type: Individual
Project Title: Does the type of light emitted from a light source affect the amount of energy produced by a solar panel?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Garrett E Myers
Grade:07 Project Type: Individual
Project Title: Under what conditions do Elodea sprigs survive best?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Kevin D Riley
Grade:07 Project Type: Individual
Project Title: What are the affects of aspirin, Benadryl, calcium and vitamin C on plant growth?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Lucas S Turgeon
Grade:07 Project Type: Individual
Project Title: Which type of lubricant reduces friction the most?

OAS AWARD
Excellent

Sponsored Awards -if any

St Paul, Westerville

Ms Madeline M Engle Grade:08 Project Type: Individual <i>Project Title: Refraction of light in jello</i>	OAS AWARD Superior	Sponsored Awards -if any
Ms Kathryn M Erwin Grade:07 Project Type: Individual <i>Project Title: Does mouthwash kill bacteria in the human mouth?</i>	OAS AWARD Superior	Sponsored Awards -if any
Mr Garrett A Haywood Grade:07 Project Type: Individual <i>Project Title: Good old bread mold</i>	OAS AWARD Superior	Sponsored Awards -if any
Ms Kyra L Hess Grade:08 Project Type: Individual <i>Project Title: The effect of different substances on rust appearance</i>	OAS AWARD Excellent	Sponsored Awards -if any
Mr Connor P Hines Grade:08 Project Type: Individual <i>Project Title: Wind power: The alternative energy source. Does my backyard have enough wind to sustain power for my</i>	OAS AWARD Superior	Sponsored Awards -if any
Ms Katie A Julian Grade:07 Project Type: Individual <i>Project Title: Which bridge can you trust?</i>	OAS AWARD Superior	Sponsored Awards -if any 061 3rd 154 1st
Ms Megan F McCabe Grade:08 Project Type: Individual <i>Project Title: Eww..moldy bread!</i>	OAS AWARD Good	Sponsored Awards -if any
Ms Katherine A Murray Grade:07 Project Type: Individual <i>Project Title: Why green? Will it come clean?</i>	OAS AWARD Excellent	Sponsored Awards -if any 147 1st
Mr Eric S Niehaus Grade:08 Project Type: Individual <i>Project Title: Proof of the Earth's rotation using a Foucault pendulum</i>	OAS AWARD Excellent	Sponsored Awards -if any

Ms Lauren M Omlor OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Is it easier to memorize numbers of letters?*

Mr Mark A Omlor OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which dog breeds sense of smell is most effective in finding a tennis ball?*

Ms Kristen M Sellan OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *A change in change*

Mr David M Sullivan OAS AWARD Good Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *What type of soap should I buy?*

Mr Matt W Young OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The effect of salt type on meat preservation*

St Peter, Huber Hts

Ms Tianna M Bailey OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Which light condition affects the growth of crystals?*

Mr Kevin R Miller OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The best glide*

Ms Erin A Warfield OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *How does one's vision and smell affect one's taste?*

St Pius X, Reynoldsburg

Ms Jodee C Hopkins OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Portion size in relations to BMI*

Ms Amanda E Stickel OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Blood pressure and heart rate

St Raphael, Bay Village

Ms Josie A Miller OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: It's tall, it's green, it's mineral grass!

St Susanna, Mason

Mr James T Breitenbach OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Do cars affect air quality?

Ms Allison K Caruso OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Superior
Project Title: Does heredity influence fingerprint patterns?

Ms Eva N Juszczyk OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: Are we wasting our money on bottled water or is tap water just as healthy?

Ms Meghan N Stier OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Individual Excellent
Project Title: How clean are the cafeteria tables after they've been washed?

Mr Brian T Keller OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Team Superior
Project Title: Electrolysis: Warm water vs. cold water

Mr Ryan J Kime OAS AWARD Sponsored Awards -if any
Grade:07 Project Type: Team Superior
Project Title: Electrolysis: Warm water vs. cold water

St Thomas More, Cincinnati

Mr Daniel J Schoettelkotte **OAS AWARD** **Sponsored Awards -if any**
Grade:08 Project Type: Individual Superior 105 3rd 154 1st
Project Title: Passive solar heaters: whether a reflective or conductive lining increases heat production in a passive solar

Ms Leah K Bartel **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Team Good
Project Title: Do you see what I see? The perception of illusions

Ms Danielle K Schaefer **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Team Good
Project Title: Do you see what I see? The perception of illusions

St Timothy, Columbus

Ms Elizabeth C Feige **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Individual Excellent
Project Title: Do different types of lights have an effect on the height, number of leaves and color of a plant?

Mr V. Pete P Holtz **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Individual Excellent
Project Title: What type of truss bridge supports the most weight?

St Vincent St Mary, Akron

Mr Tyler R Chopko **OAS AWARD** **Sponsored Awards -if any**
Grade:11 Project Type: Individual Excellent 169 3rd 032 2nd
Project Title: A variability analysis of E. coli transference between common kitchen surfaces

Ms Colleen M Demboski **OAS AWARD** **Sponsored Awards -if any**
Grade:11 Project Type: Individual Superior 080 1st 083 3rd 086 SCH
Project Title: What is the effect of fertilizer on water quality as seen by its effect on Daphnia magna?

Ms Kelsey M Lecerf **OAS AWARD** **Sponsored Awards -if any**
Grade:11 Project Type: Individual Superior 030 1st 155 1st 192 1st
Project Title: The effect of glutathione concentration on the duration of the feeding reflex in Hydra littoralis

Mr James D Lloyd **OAS AWARD** **Sponsored Awards -if any**
Grade:11 Project Type: Individual Superior 019 SCH 132 SCH
Project Title: The infection rates of Lagenidium in the algae spirogyra

Mr Jonathon J Stone OAS AWARD Superior Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Data analysis: single pole pulse monitor*

Mr Muhammad N Taha OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual 002 1st 032 3rd
Project Title: *The effect of different wavelengths on the heliotropism of a Pisum sativum plant*

Ms Abigail M Tanner OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual 204 1st 142 SCH
Project Title: *The effects of creatine consumption on the protein concentration of Lumbricus terrestris*

Ms Nora R Wisor OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual 030 2nd 083 2nd
Project Title: *Benthic macroinvertebrates as bioindicators of river water quality*

St Xavier, Cincinnati

Mr Timothy M Hale OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Saccharomyces cerevisiae and Vitamin C*

Mr Michael T Harrington OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Saccharomyces cerevisiae and Vitamin C*

Mr Richard A Levernier OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Saccharomyces cerevisiae and Vitamin C*

Stebbins HS, Dayton

Mr Lee F Mondini OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *Air cannon of science*

Mr James T Prater OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Team
Project Title: *Air cannon of science*

Sylvania Franciscan Academy, Sylvania

Ms Destinee N Battle OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 051 3rd 154 1st
Project Title: A beauty and a beast: Purple loosestrife growing in the U.S.

Ms Diamond N Battle OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual 079 HM 154 1st
Project Title: Down and dirty: The effects of worms on grass

Ms Naveena M Luke OAS AWARD Superior Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Chemical vs. Filter

Ms Sara Mohamed OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: Light and houseplants

Sylvania Southview HS, Sylvania

Harold C. Shaw Outstanding School Award

Mr Dylan C Byers OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 023 1st
Project Title: The effects of familiarity on the frequency of laughter in groups

Mr Robert W Ellis OAS AWARD Excellent Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: The effects of Faraday's law on the production of energy within a car's driveshaft

Ms Elizabeth H Engoren OAS AWARD Superior Sponsored Awards -if any
Grade:12 Project Type: Individual 019 SCH 023 1st 087 1st
Project Title: The effects of selective estrogen receptor modulators (SERMs) on phenotype and fecundity in developing apterous Drosophila melanogaster

Ms Julia Hu OAS AWARD Superior Sponsored Awards -if any
Grade:11 Project Type: Individual 134 2nd 171 SCH
Project Title: Electrochemical studies of novel quinones through cyclic voltammetry

Ms Abbie K Webb OAS AWARD Good Sponsored Awards -if any
Grade:11 Project Type: Team
Project Title: *The effect of energy drinks on plants*

Teays Valley MS, Ashville

Mr Evan M Faler OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The affects of environmental stress on plant symmetry*

Mr Lane A Hedrick OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Horse feed and water absorption*

Ms Erin P Hipwell OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Lung capacity of athletes vs. non-athletes: who's the master of lung fu*

Ms Sara E Toskin OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Growth spurt!*

Thomas Worthington HS, Worthington

Ms Molly M Bachmann OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual 158 2nd 169 2nd 142 SCH
Project Title: *Post harvest storage effect on the Vitamin C content of organically and conventionally grown oranges over time*

Mr M. Walid Choueiki OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *Which type of athlete has the healthiest heart?*

Mr Eric J Lawell OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Lung capacity: Who has more - football players, non-athletes or band members?*

Ms Shaadee M Samimy OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual 028 1st 142 SCH
Project Title: *The effects of socio-cultural factors on listeners' perception of the accentedness of non-native speakers of*

Mr Matthew A Tischer
Grade: 10 Project Type: Individual
Project Title: RAM size and computer performance

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Rachel M Webb
Grade: 10 Project Type: Individual
Project Title: The effects of freezing on the vitamin C content of strawberries

OAS AWARD
Excellent

Sponsored Awards -if any
169 1st

Ms Meghan E Atterbury
Grade: 10 Project Type: Team
Project Title: Lead in drinking water

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Izabella R Bogin
Grade: 09 Project Type: Team
Project Title: Relaxing music

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kayla M Burris
Grade: 09 Project Type: Team
Project Title: Relaxing music

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Lana R Dennison
Grade: 10 Project Type: Team
Project Title: The effects of backpack weight on Thomas Worthington High School students

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kathleen M Dotts
Grade: 10 Project Type: Team
Project Title: The effects of backpack weight on Thomas Worthington High School students

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kayleigh M Edgecombe
Grade: 10 Project Type: Team
Project Title: The effect of newspaper on concrete bricks

OAS AWARD
Superior

Sponsored Awards -if any
075 1st 133 2nd 142 SCH

Ms Melissa N Girgis
Grade: 10 Project Type: Team
Project Title: Testing the five second rule: Take it or leave it?

OAS AWARD
Superior

Sponsored Awards -if any
169 7th 142 SCH

Ms Dominique N Roberts
Grade: 11 Project Type: Team
Project Title: Burn it up

OAS AWARD
Superior

Sponsored Awards -if any
185 1st

Ms Amber C Sizemore
Grade: 11 Project Type: Team
Project Title: Burn it up

OAS AWARD
Superior

Sponsored Awards -if any
185 1st

Tinora HS, Defiance

Mr Matthew J Hire
Grade: 09 Project Type: Individual
Project Title: How does the shape of a parachute affect its rate of fall?

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kari A Kahle
Grade: 09 Project Type: Individual
Project Title: Does the sense of smell affect the sense of taste?

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Clay L Norden
Grade: 11 Project Type: Individual
Project Title: Does light affect a Chukar's laying rate?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Anna C Steffel
Grade: 09 Project Type: Individual
Project Title: What type of animal bedding has the highest absorbency rate?

OAS AWARD
Superior

Sponsored Awards -if any

Ms Emilie A Watson
Grade: 09 Project Type: Individual
Project Title: Are horses able to retain learned behaviors over time?

OAS AWARD
Superior

Sponsored Awards -if any

Tinora JS, Defiance

Mr Jan J Pietrykowski
Grade: 08 Project Type: Individual
Project Title: Does the size of the grains of sand affect their angle of rest?

OAS AWARD
Excellent

Sponsored Awards -if any

Tippecanoe HS, Tipp City

Ms Christina M Abboud OAS AWARD Superior Sponsored Awards -if any
148 2nd
Grade:12 Project Type: Individual
Project Title: *MRSA carrier state in contact sport athletes vs. non contact sport athletes and non athlete students*

Mr Steven R Chaney OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Calcite energy cell*

Ms Kirsten M Linsenmeyer OAS AWARD Superior Sponsored Awards -if any
142 SCH
Grade:12 Project Type: Individual
Project Title: *The effects of magnetic fields on the population and genetics of Drosophila*

Ms Carlee R Schaefer OAS AWARD Excellent Sponsored Awards -if any
031 2nd
Grade:12 Project Type: Individual
Project Title: *Caffeine: How much is in your drink?*

Tippecanoe MS, Tipp City

Mr Noah I Moody OAS AWARD Superior Sponsored Awards -if any
032 3rd 154 1st
Grade:07 Project Type: Individual
Project Title: *How to grow bigger bluegills - con't.*

Toledo Christian, Toledo

Mr Matthew D Scherreik OAS AWARD Excellent Sponsored Awards -if any
187 1st
Grade:11 Project Type: Individual
Project Title: *TDS in bottled water*

Mr Lance R Wood OAS AWARD Excellent Sponsored Awards -if any
Grade:11 Project Type: Individual
Project Title: *Conductivity change in temperature differences*

Toledo Islamic Academy HS, Toledo

Mr Samer A Alkhalili OAS AWARD Superior Sponsored Awards -if any
070 3rd 154 1st
Grade:07 Project Type: Individual
Project Title: *Solubility of carbon dioxide in water at various temperatures*

Turpin HS, Cincinnati

Ms Julianna R Kluger OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *What substance best removes bacteria from hands during washing?*

Ms Noel A Spurgeon OAS AWARD Superior Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: *A certain slant of light: Index of refraction and salinity*

Mr Alex C Cameron OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Team
Project Title: *Does age affect memory?*

Ms Annie M Haskins OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Team
Project Title: *Effects of drink pH on tooth enamel*

Ms Mackenzie A Houston OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Team
Project Title: *Effects of drink pH on tooth enamel*

Mr Matt M Russell OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Team
Project Title: *Does age affect memory?*

Tuscarawas MS, Tuscarawas

Ms Stephanie A Myers OAS AWARD Excellent Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *The distance of light*

Tuscarawas Valley HS, Zoarville

Mr Josh P Felgenhauer OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Contact cleanliness*

Mr Brock A Hinig OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: *Multi-core performance: Deception in the desktop market - perception in the server market?*
014 SCH 055 2nd 204 1st

Mr Tyler D Kubina OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Wasabi toothpaste: Can it work?*

Ms Ashton N Mullett OAS AWARD Excellent Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: *Music affecting our perception of time: Does sex matter?*

Mr David J Walton OAS AWARD Excellent Sponsored Awards -if any
Grade:09 Project Type: Individual
Project Title: *Archery: Mass and penetration*

Tuscarawas Valley MS, Zoarville

Mr Jameson L Walter OAS AWARD Excellent Sponsored Awards -if any
Grade:07 Project Type: Individual
Project Title: *Extend the life of your practice*

Unioto HS, Chillicothe

Ms Emily E Irvin OAS AWARD Superior Sponsored Awards -if any
Grade:10 Project Type: Individual
Project Title: *Columns: The support of the world*

Unioto JS, Chillicothe

Ms Allison M Irvin OAS AWARD Superior Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *Who's there? Thermal expansion and contraction*

Ms Andrea J Maier OAS AWARD Good Sponsored Awards -if any
Grade:08 Project Type: Individual
Project Title: *I'm not playing that! How mold grows on reeds*

Upper Arlington HS, Upper Arlington

Ms Marie Caligiuri-deJesus OAS AWARD Superior Sponsored Awards -if any
Grade:12 Project Type: Individual
Project Title: *Immunogenicity of the Epstein-Barr virus BZLF protein*
041 HM

Van Buren MS, Kettering

Mr Zachary S Jarrell OAS AWARD Sponsored Awards -if any
Excellent
Grade:08 Project Type: Individual
Project Title: Which insulation is the most effective?

Ms Mary C MacLean OAS AWARD Sponsored Awards -if any
Excellent 136 HM
Grade:08 Project Type: Individual
Project Title: The dirt on dirt: A comparison of natural additives to clay soil

Volney Rogers JS, Youngstown

Ms Nicole K Miller OAS AWARD Sponsored Awards -if any
Superior
Grade:07 Project Type: Individual
Project Title: Safe and unsafe handling of food

Wadsworth HS, Wadsworth

Ms Heather M Benya OAS AWARD Sponsored Awards -if any
Superior
Grade:10 Project Type: Individual
Project Title: Comparing soccer headgears' ability to absorb collision test

Ms Kathy M Duckworth OAS AWARD Sponsored Awards -if any
Excellent 205 HM
Grade:11 Project Type: Individual
Project Title: Is there really bacteria growing in your water bottle?

Mr Jacob R Gissinger OAS AWARD Sponsored Awards -if any
Superior 019 SCH 183 1st
Grade:10 Project Type: Individual
Project Title: Pyranometrics: Optimizing ROI for solar systems in Ohio

Mr Zachary D McKee OAS AWARD Sponsored Awards -if any
Superior 011 1st 014 3-Alt 105 1SCH
Grade:12 Project Type: Individual
Project Title: Engineering and manufacturing a roller coaster utilizing innovative hydro-magnetic propulsion and levitation materials technology

Ms Mary L Stuhldreher OAS AWARD Sponsored Awards -if any
Superior 067 3rd 175 HM 142 SCH
Grade:10 Project Type: Individual
Project Title: Does your timber have timbre? Finding the best wood for Marimba bars

Mr Curtis M Taylor
Grade:11 Project Type: Individual
Project Title: Oil clean up 101

OAS AWARD
Excellent

Sponsored Awards -if any
080 2nd 139 2nd 171 SCH

Walnut Hills HS, Cincinnati

Mr Lucas D Bertaux-Skeirik
Grade:08 Project Type: Team
Project Title: Which are faster through a maze, carnivorous mice or vegetarian mice?

OAS AWARD
Good

Sponsored Awards -if any

Mr Benjamin F Ghosh
Grade:08 Project Type: Team
Project Title: Which are faster through a maze, carnivorous mice or vegetarian mice?

OAS AWARD
Good

Sponsored Awards -if any

Walnut Springs MS, Westerville

Mr Kent M Ford
Grade:07 Project Type: Individual
Project Title: Ready, set, go!

OAS AWARD
Superior

Sponsored Awards -if any

Ms Rabia N Khan
Grade:07 Project Type: Individual
Project Title: Sugary solutions: The effect of temperature on the growth of crystals

OAS AWARD
Superior

Sponsored Awards -if any

Walsh Jesuit, Cuyahoga Falls

Ms Crystal M Boykin
Grade:12 Project Type: Individual
Project Title: Plantastic bean sprout plastics

OAS AWARD
Superior

Sponsored Awards -if any
032 2SCH 187 1st

Wayne HS, Huber Hts

Mr Gregory R Colvin
Grade:11 Project Type: Individual
Project Title: Wind energy

OAS AWARD
Superior

Sponsored Awards -if any
059 3rd 204 1st

Mr Jeremy R Fichtenbaum
Grade:11 Project Type: Individual
Project Title: Maximum production of carbon dioxide

OAS AWARD
Excellent

Sponsored Awards -if any

Waynesville HS, Waynesville

Mr Anthony D Di Mascio **OAS AWARD** **Sponsored Awards -if any**
Grade:12 Project Type: Individual Superior 183 2nd
Project Title: Do lower thermal energy states of matter affect electrical conductivity?

Mr Michael V Di Mascio **OAS AWARD** **Sponsored Awards -if any**
Grade:10 Project Type: Individual Superior 142 SCH
Project Title: Does wavelength affect the diffraction pattern of laser light?

Waynesville MS, Waynesville

Mr John R Bowling **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Individual Superior
Project Title: Bleaches

Ms Jordan M Moore **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Individual Excellent
Project Title: It's cool, it's insulation!

West Geauga HS, Chesterland

Ms Desiree N Angelotta **OAS AWARD** **Sponsored Awards -if any**
Grade:09 Project Type: Individual Excellent
Project Title: Plants and music

Ms Karen A Kruzer **OAS AWARD** **Sponsored Awards -if any**
Grade:10 Project Type: Individual Superior
Project Title: The care and handling of cell phones and how they can prevent health risks

West Holmes HS, Millersburg

Mr Michael J Anthony **OAS AWARD** **Sponsored Awards -if any**
Grade:10 Project Type: Individual Superior 147 2SCH 204 4ALT 142 SCH
Project Title: Transmitter performance

West Holmes MS, Millersburg

Mr Clay M Miller **OAS AWARD** **Sponsored Awards -if any**
Grade:07 Project Type: Team Excellent
Project Title: Danger in the air

Mr Matt J Schlegel
Grade:07 Project Type: Team
Project Title: Danger in the air

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Leah R Schonauer
Grade:08 Project Type: Team
Project Title: Don't drop it

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Kori L Weber
Grade:08 Project Type: Team
Project Title: Don't drop it

OAS AWARD
Excellent

Sponsored Awards -if any

Whitmer HS, Toledo

Mr Mike R Armstrong
Grade:09 Project Type: Individual
Project Title: Bacteria in grass versus bacteria in turf

OAS AWARD
Good

Sponsored Awards -if any

Mr Aaron J Kramer
Grade:09 Project Type: Individual
Project Title: Tree rings

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Kevin R Leslie
Grade:09 Project Type: Individual
Project Title: The placebo effect

OAS AWARD
Superior

Sponsored Awards -if any
142 SCH

Ms Melissa L Thoman
Grade:09 Project Type: Individual
Project Title: Video games and their effect on blood pressure

OAS AWARD
Excellent

Sponsored Awards -if any

Willard Grizzell MS, Dublin

Ms Amanda L Etchison
Grade:07 Project Type: Individual
Project Title: Yeast respiration and pH

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Brennan J Foreman
Grade:07 Project Type: Individual
Project Title: Food, blood glucose and your health

OAS AWARD
Excellent

Sponsored Awards -if any

Mr Nikhil S Modak
Grade:08 Project Type: Individual
Project Title: Milk: Boiled vs. pasteurized

OAS AWARD
Superior

Sponsored Awards -if any

Mr P. Jennings Rengel
Grade:07 Project Type: Individual
Project Title: How to build a better bridge

OAS AWARD
Excellent

Sponsored Awards -if any

Ms Sanaya N Shroff
Grade:08 Project Type: Individual
Project Title: Rosin: How much is too much..or too little

OAS AWARD
Superior

Sponsored Awards -if any

Ms Annie L Zhang
Grade:07 Project Type: Individual
Project Title: The load bearing capacity of soil

OAS AWARD
Superior

Sponsored Awards -if any
079 HM 154 1st

Willard MS, Willard

Mr Matt T Leis
Grade:07 Project Type: Individual
Project Title: Do plants grow better in soil or water?

OAS AWARD
Superior

Sponsored Awards -if any

Mr Korey J Mahl
Grade:07 Project Type: Individual
Project Title: Does temperature affect magnetism?

OAS AWARD
Superior

Sponsored Awards -if any

William Mason HS, Mason

Mr Raymond Tan
Grade:11 Project Type: Individual
Project Title: Repairing America's aging concrete highway bridges with cement bio-composites

OAS AWARD
Superior

Sponsored Awards -if any
053 1st 058 3rd 061 1st 106 3SCH

Mr Alexander Chernyakhovsky
Grade:10 Project Type: Team
Project Title: Biosimulation of Avian Influenza: from endemic to pandemic

OAS AWARD
Superior

Sponsored Awards -if any
188 2nd 142 SCH

Mr Tong Zhan
Grade:11 Project Type: Team
Project Title: Biosimulation of Avian Influenza: from endemic to pandemic

OAS AWARD
Superior

Sponsored Awards -if any
188 2nd 142 SCH

Xenia Christian HS, Xenia

Mr Nathan J Bryant Grade:11 Project Type: Individual <i>Project Title: .22 LR: Cost vs. precision</i>	OAS AWARD Superior	Sponsored Awards -if any 067 2nd
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Mr Matthew T McKinley Grade:10 Project Type: Individual <i>Project Title: Green vs. green: Renewable energy or your wallet</i>	OAS AWARD Superior	Sponsored Awards -if any 175 HM 142 SCH
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Mr Dillon J Simmons Grade:10 Project Type: Individual <i>Project Title: Magnificent Maglev!</i>	OAS AWARD Superior	Sponsored Awards -if any
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Zane Trace HS, Chillicothe

Ms Hannah R Cox Grade:12 Project Type: Individual <i>Project Title: Promoting GFP: A study on the effect of strength of different promoters on GFP (green fluorescent protein) expression</i>	OAS AWARD Superior	Sponsored Awards -if any 019 SCH 033 3SCH 187 1st
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Ms Hannah B Snyder Grade:10 Project Type: Individual <i>Project Title: Nuts for nutrition: a comparison of calories produced from six different types of nuts</i>	OAS AWARD Excellent	Sponsored Awards -if any 169 8th
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Zane Trace MS, Chillicothe

Ms Sarah M Cox Grade:08 Project Type: Individual <i>Project Title: The purple defense: Grape antioxidants. A contrast study of antioxidant content in homemade jam, jelly and preserves</i>	OAS AWARD Superior	Sponsored Awards -if any
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Mr Tyler C Moore Grade:07 Project Type: Individual <i>Project Title: E85: friend or foe</i>	OAS AWARD Superior	Sponsored Awards -if any
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