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## State Science Day - 2022 Virtual 3.0

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### Academy of St Bartholomew, Middleburg Hts

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Jonathan Joseph Darmetko</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>How The Strength of a Magnet Varies with Temperature</i>	

### All Saints, Cincinnati

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Joshua David Campbell</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>Reaction Time: Are You Ready for it?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Jack Jamie Charlton</b>	Superior	246 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>Out of the Corner of My Eye</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Evan Thomas McGraw</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Which Materials Deter Radiation Best?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Corbin Joseph Nuss</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Cell Phone Radiation: Which materials block it best?</i>	

### Alliance HS, Alliance

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Anna Eversdyke</b>	Superior	
Grade: 10	Project Type: Individual	
Project Title:	<i>The Impact of Facemasks on Emotion Recognition</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Brianna Elizabeth Yoder</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Generating Sierpinski's Triangle</i>	

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### Amelia MS, Batavia

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Seth J Jones</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Sublimation of Dry Ice</i>	

### Anderson HS, Cincinnati

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Adam Thomas Miller</b>	Excellent	
Grade: 9	Project Type: Individual	
Project Title:	<i>Could different card shuffling techniques match the randomness of the seven riffle shuffle</i>	

### Anna HS, Anna

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Isaac Christopher Edelmann</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>Time vs Distance (How Each Affects Light Depend Reactions)</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Josephine Mandy Gehret</b>	Excellent	145 2nd
Grade: 12	Project Type: Individual	
Project Title:	<i>A Meta-Data Analysis Into the Correlation Between Nulliparous, Full Term, Singleton, Head-Down Cesarean Sections and Infant Mortality Rate</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Madison Victoria Jeffries</b>	Excellent	
Grade: 12	Project Type: Individual	
Project Title:	<i>Remedy for Food Desert Issue</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Carly Lynn Koverman</b>	Superior	189 2nd
Grade: 12	Project Type: Individual	
Project Title:	<i>Different Genres of Music Affecting Heart Rate</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Madison Adele Prenger</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>Organic Matter in Relation to How Compost Components Affect Spinach Plant Growth</i>	

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### Ansonia HS, Ansonia

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Marissa Kay Shook</b>	Superior	244 SCH
Grade: 11	Project Type: Individual	
Project Title:	<i>Minimizing the Effects of Acid Rain on Elodea Canadensis</i>	

### Arcanum HS, Arcanum

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Mariah Danielle Kreusch</b>	Excellent	
Grade: 11	Project Type: Individual	
Project Title:	<i>"Distracted" Reaction Time in Young Drivers</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Jorie Lee McDermott</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>The Number of Life Sustaining Planets That Could Exist Within an Area of Sky that Measures to be The Area of a Dime When Viewed From 319.5 m Above Sea Level</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Ashton Paul</b>	Excellent	
Grade: 11	Project Type: Individual	
Project Title:	<i>Plants vs. Carbon</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Ezekiel James Wright</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>Sleep and the Nasal Cycle</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Lani Hollinger Grace Hollinger</b>	Excellent	
Grade: 11	Project Type: Team	
Project Title:	<i>Apple vs. Android</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Jacob Timothy Rice</b>	Excellent	
Grade: 11	Project Type: Team	
Project Title:	<i>Apple vs. Android</i>	

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### Archbishop Alter HS, Kettering

**Ms. Reese Noelle Hornick**  
Grade: 9 Project Type: Individual  
*Project Title: Testing Extra-Sensory Perception in Humans*

**OAS AWARD**  
Superior

### Harold C. Shaw Outstanding School Award

**Sponsored Awards -if any**

### Ms Kate Elizabeth Riegel

Grade: 9 Project Type: Individual  
*Project Title: The Effect of Environmental and Synthetic Agents on E. coli*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

### Ms Sophia Suzanne Shenk

Grade: 10 Project Type: Individual  
*Project Title: The Effectiveness of Different Soundproof Materials on the Detection of Sound*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

### Mr. Peter Yi Jun Stout

Grade: 9 Project Type: Individual  
*Project Title: The Effect of Sleep Deprivation on Reaction Time*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**  
028 2nd

### Archbishop McNicholas HS, Cincinnati

**Mr. Remington Holder**  
Grade: 10 Project Type: Individual  
*Project Title: Low-level vs. High-level Programming Languages*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**  
244 SCH

### Archbold HS, Archbold

**Ms Carsyn Kaylene Hagans**  
Grade: 12 Project Type: Individual  
*Project Title: The Effect of Light Pollution on Anabaena and Microcystis Growth*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**  
080 1st

### Ashland Christian, Ashland

**Mr. Jacob Gardner**  
Grade: 7 Project Type: Individual  
*Project Title: Does Listening to Music Improve Memory*

**OAS AWARD**  
Excellent

**Sponsored Awards -if any**

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### Ashland Christian, Ashland

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kaitlyn Joy Griffey</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>"Does the type of feed affect the quality of the goat's milk?"</i>	

### Athens HS, The Plains

	OAS AWARD	Sponsored Awards -if any
<b>Mr Luca Walter Gagliano</b>	Superior	080 1st 249 SCH
Grade: 11	Project Type: Individual	
Project Title:	<i>Growing Sustainable Packaging with Mycelium and Agricultural Waste</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Xinrui Han</b>	Superior	182 2nd
Grade: 10	Project Type: Individual	
Project Title:	<i>Endophytic Fungus From Monotropa uniflora Effect on Plant Development</i>	

### Athens MS, Athens

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Prem Arman Koshal</b>	Superior	246 1st 250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effect of Social Presence on Contagious Yawning during Video Conference</i>	

### Harold C. Shaw Outstanding School Award

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Coltrane Parsons</b>	Superior	134 3rd 246 1st 250 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>Engineering Soybean Bioplastic at Home</i>	

	OAS AWARD	Sponsored Awards -if any
<b>M. Emily Parsons</b>	Superior	080 2nd 246 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>It's a Bird... It's a Plane... It's Superworm! Solving Our Microplastic Problem</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Sophia Marie Szolosi</b>	Superior	028 1st 239 SCH 246 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Exploring the Relationship Between Level of Participation and Mental Toughness among Runners</i>	

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### Athens MS, Athens

**Ms. Ava Tomasine Frantz**  
Grade: 7    Project Type: Team  
*Project Title: Gluten v.s. Gluten-Free: Which Molds First?*

**OAS AWARD**  
Excellent

### Harold C. Shaw Outstanding School Award

**Sponsored Awards -if any**

**Ms. Ava Belle Meili**  
Grade: 7    Project Type: Team  
*Project Title: Gluten v.s. Gluten-Free: Which Molds First?*

**OAS AWARD**  
Excellent

**Sponsored Awards -if any**

### Bath MS, Lima

**Mr. Carter Schrock**  
Grade: 8    Project Type: Individual  
*Project Title: Don't Touch My Pi!*

**OAS AWARD**  
Excellent

**Sponsored Awards -if any**  
147 2nd

### Beaumont School, Cleveland Hts

**Ms. Margaret Anne Brady**  
Grade: 10    Project Type: Individual  
*Project Title: How Different Pollutants Affect the Heart Rate of Daphnia Magna*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**  
030 3rd

**Ms. Cecilija Dautovic**  
Grade: 9    Project Type: Individual  
*Project Title: The Erosion Notion*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

**Ms. Sophia Desamito**  
Grade: 10    Project Type: Individual  
*Project Title: Different Types of Soaps/Cleansers Against Escherichia Coli*

**OAS AWARD**  
Excellent

**Sponsored Awards -if any**

**Ms. Lucy Furjanic**  
Grade: 9    Project Type: Individual  
*Project Title: How the Smell of Peppermint Oil Affects Memorization*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

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### Beaumont School, Cleveland Hts

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kayla Grace McDade</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>Are The Brownies Contaminated?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Caitlyn Christine Morton</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>The Effect of the Material of the Ocean Floor on Tsunamis</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms Cecilija Maja Rowane</b>	Superior	019 SCH 080 HM
Grade: 10    Project Type: Individual		
Project Title: <i>Comparing the Flammability of Kombucha Paper Textile</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Bridget Kathleen Thomas</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>The Effect Container Material Has on the Growth of Plants</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms Jessica Kathleen Toohig</b>	Superior	
Grade: 10    Project Type: Individual		
Project Title: <i>Sparking An Interest in Electricity</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Quinnie Van de Walle</b>	Superior	
Grade: 10    Project Type: Individual		
Project Title: <i>Distance of Mucus Droplets Based on Nose Cover Method During a Sneeze</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lucy Wolf</b>	Superior	
Grade: 9    Project Type: Individual		
Project Title: <i>Which Disinfecting Method Works Best for Removing Bacteria on Kitchen Sponges?</i>		

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### Bell Creek ES, Bellbrook

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Cristian Victorio Schrock</b>	Superior	246 1st
Grade: 5	Project Type: Individual	
Project Title:	<i>Why do Some Things Float, Others Sink, &amp; Submarines do both?</i>	

### Bellbrook MS, Bellbrook

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Tyler J Feix</b>	Superior	246 1st 250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Electromagnetic Radiation and Cell Phone Use</i>	

### Benjamin Logan HS, Bellefontaine

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Charlotte Huafeng Graham</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>Microplastic Contamination in Local Water and Sediment</i>	

### Benjamin Logan MS, Bellefontaine

	OAS AWARD	Sponsored Awards -if any
<b>Ms Winnie Mae Bodin</b>	Superior	061 3rd 080 3rd 086 2nd 250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>The Biological and Chemical Assessment of the Mad River Over Four Years</i>	

### Bethel HS, Tipp City

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Alex Michael Lyall</b>	Superior	070 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>Energy Efficiency of Humidity Reduction Methods</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Julie Sue Sebastian</b>	Superior	257 1st
Grade: 10	Project Type: Individual	
Project Title:	<i>Banishing Nail Biting</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Jewell Evelyn Tyler</b>	Excellent	
Grade: 10	Project Type: Individual	
Project Title:	<i>Branding: The Ultimate Power</i>	



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### Bethel JS, Tipp City

<b>Ms. Shritha Kutcherlapati</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Individual	Superior	147 3rd
<i>Project Title: ELECTROMAGNETISM IN ACTION</i>		

<b>Ms. Caleb Micheal Grey</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Team	Excellent	
<i>Project Title: Transmitting sound using light</i>		

<b>Ms. Lillian Alice Whelan</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Team	Excellent	
<i>Project Title: Transmitting sound using light</i>		

### Birchwood School, Cleveland

<b>Ms. Isabella Faith Bixler</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8    Project Type: Individual	Excellent	
<i>Project Title: Making Eco-Friendly Oil Paints</i>		

<b>Mr. Jaiden Lloyd Burkholder</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8    Project Type: Individual	Excellent	
<i>Project Title: Do Dryer Balls Really Reduce Drying Time?</i>		

<b>Ms. Presley Burkholder</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Individual	Superior	067 2nd    246 1st
<i>Project Title: Which Variety of Amish Popcorn Yields the Largest Percentage of Kernels That Pop per Batch?</i>		

<b>Ms. Ishika Chand</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Individual	Excellent	
<i>Project Title: Compost vs Fertilizer</i>		

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### Birchwood School, Cleveland

<b>Ms. Jasmine Chen</b> Grade: 8    Project Type: Individual <i>Project Title: Making Bioplastic Bags</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 246 1st 250 1st 257 1st
<b>Mr Omar Elbadawy</b> Grade: 8    Project Type: Individual <i>Project Title: Eco-friendly Concrete –The Effects of Plant-based and Plastic Admixtures on Its Mechanical Properties</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 061 1st 239 SCH 246 1st
<b>Ms. Brooke Gemechu</b> Grade: 8    Project Type: Individual <i>Project Title: Iron Man: Creating A Bionic "Repulsor" Gauntlet Using Myographic Technology</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 033 2nd
<b>Mr. Andrew Elias Khawam</b> Grade: 5    Project Type: Individual <i>Project Title: How Much will Apples Oxidize in different conditions?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Emerson T Krauss</b> Grade: 8    Project Type: Individual <i>Project Title: The dissolution of different formulations of Acetaminophen</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Ms Aanya Lakireddy</b> Grade: 8    Project Type: Individual <i>Project Title: How Do Rising Carbon Dioxide Levels Affect Plant Germination?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Ms. Caroline Grace Lu</b> Grade: 7    Project Type: Individual <i>Project Title: Determination of Vitamin C Concentration in Different Types of Orange Juice Using Titration</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 134 2nd

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### Birchwood School, Cleveland

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Adharsh Narendrakumar</b>	Superior	033 1st 148 1st 254 1st 257 1st 259 1st 265 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>A Semi-Autonomous Device that Measures and Observes the Capillary Refill Time of a Patient</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Leen Salem</b>	Excellent	
Grade: 6	Project Type: Individual	
Project Title:	<i>Glucose in Different Combinations of Fruit Juices</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Tarunika Saravanan</b>	Superior	250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>When Popped, Do Different Colors of Popcorn Leave Different Amounts of Unpopped Kernels?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Melanie Statsevych</b>	Superior	
Grade: 6	Project Type: Individual	
Project Title:	<i>How Does Temperature Affect the Height Of a Bouncing Tennis Ball?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Michael Jiaqi Zhu</b>	Excellent	080 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Biodegradable Plastics: An experiment conducted on diverse types of biodegradable plastics to test which type can degrade the quickest and withstand the most tension</i>	

### Bishop Flaget, Chillicothe

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Sam Byrd</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Does plant waste or cow manure produce more energy?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Julia Corcoran</b>	Superior	
Grade: 6	Project Type: Individual	
Project Title:	<i>What Type of Seedling Emerges Fastest?</i>	

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### Bishop Flaget, Chillicothe

<b>Mr. Isaac Crawford</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	
Project Type: Individual		
Project Title: <i>Do Radishes Grow Better From Seed Tape?</i>		

<b>Mr. Tim Michael Kessler</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	
Project Type: Individual		
Project Title: <i>Which Brand of Tape is the Strongest?</i>		

<b>Ms. Gabriella Maranzana</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Superior	
Project Type: Individual		
Project Title: <i>What is the Best Method for Berry Preservation?</i>		

<b>Ms. Julia McNeill</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Excellent	
Project Type: Individual		
Project Title: <i>Which Gluten Free Flour Works the Best?</i>		

### Bishop Leibold E & W Campus, Dayton

<b>Ms. Queen Queen Akuzwe</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Superior	
Project Type: Individual		
Project Title: <i>Can You Find It?</i>		

<b>Mr. Jack Aaron Coch</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Excellent	262 1st
Project Type: Individual		
Project Title: <i>Runoff on pH</i>		

<b>Ms. Kensie Nicole Funk</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	246 1st 250 1st
Project Type: Individual		
Project Title: <i>Do You See What I See What I See? Do You Hear What I Hear?</i>		

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### Bishop Leibold E & W Campus, Dayton

<b>Ms Ange Jessica Ikuzwe</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Excellent	
<i>Project Title: Heat It Up</i>		

<b>Mr Nate Charles Kargl</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	
<i>Project Title: Controlling Your Score</i>		

<b>Ms Aubrey Rose Miller</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	250 1st
<i>Project Title: Your Key to Success: Stop Fruit Browning</i>		

<b>Mr. Kian Gracin O'Connell</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Excellent	
<i>Project Title: Swinging Fore Distance</i>		

<b>Mr. Thomas Michael Oliver</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Excellent	
<i>Project Title: It's All About An-Goals!</i>		

<b>Ms. Claire Nicole Thompson</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Excellent	
<i>Project Title: Feeling Blue?</i>		

<b>Mr. Oli Reily Tucker</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7 Project Type: Individual	Excellent	
<i>Project Title: The Science of AfterImages</i>		

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### Bloom Carroll HS, Carroll

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Alaina Marie Bell</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>Growing Microgreens With Reflected Light</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Kennedy Lane Brehm</b>	Superior	058 3rd 106 3rd
Grade: 11	Project Type: Individual	
Project Title:	<i>The Effects of Clarinet Reed Preparation on Reed Quality</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Rennick Foreman</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>The Effects of Energy Source on Flashlight Efficiency</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Chase Michael Hamilton</b>	Excellent	
Grade: 9	Project Type: Individual	
Project Title:	<i>4 Letter Pattern In Multiple Choice</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Sophia Elizabeth Haughn</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>The Effects of Water Salinity on Different Types of Plants</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Henry Lewis Hoisington</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>How Does Bullet Speed Affect Penetrating Power</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Danielle L Jackson</b>	Excellent	023 1st 190 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>Are Fingerprint Pattern and Gender Independent?</i>	

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### Bloom Carroll HS, Carroll

<b>Ms. Maddie Josephine Jackson</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 028 2nd
Grade: 10	Project Type: Individual	
Project Title:	<i>The Affects of Reading on Blood Pressure</i>	

<b>Mr. Trevor Jackson</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 9	Project Type: Individual	
Project Title:	<i>A Comparison of Real-Time Physics Engines to Real-World Tests</i>	

<b>Ms. Kate Eliza Johnson</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 10	Project Type: Individual	
Project Title:	<i>Rabbit's Best Sense</i>	

<b>Ms Grace Elizabeth Kruse</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 11	Project Type: Individual	
Project Title:	<i>Determining the Effects of Vermiculture on Various Manure Composts</i>	

<b>Ms Claire High Loeffler</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 217 2nd
Grade: 11	Project Type: Individual	
Project Title:	<i>Saponification Effect on Biofuel Emissions</i>	

<b>Mr. Logan Nicholas Miller</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 9	Project Type: Individual	
Project Title:	<i>The Essence of Curve and Its Effects</i>	

<b>Ms Emily Mae Plageman</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 11	Project Type: Individual	
Project Title:	<i>The Effects of Hand Gestures on Memory</i>	

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### Bloom Carroll HS, Carroll

	OAS AWARD	Sponsored Awards -if any
<b>Mr Matthew Steven Plageman</b>	Excellent	
Grade: 9    Project Type: Individual		
<i>Project Title: How Different Surfaces Affects The Results on Die Rolls</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Brady Elizabeth Sommer</b>	Superior	
Grade: 9    Project Type: Individual		
<i>Project Title: How Morality Affects the Decisions You May Face In Everyday Life</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Michael Hugh Stevenson</b>	Superior	
Grade: 9    Project Type: Individual		
<i>Project Title: The Effects of a Group's Words and Actions on the Beliefs and Behavior of Others</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms Tori Ann Strayer</b>	Superior	019 SCH
Grade: 11    Project Type: Individual		
<i>Project Title: Growth Rates of Different Hydroponics and a Aquaponics Systems</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms Emily Kimiko Swope</b>	Superior	
Grade: 11    Project Type: Individual		
<i>Project Title: Determining the Optimum Preparation and Storage Conditions of Ascorbic Acid IV Solutions</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Sophia Christina Tsitouris</b>	Superior	080 3rd
Grade: 9    Project Type: Individual		
<i>Project Title: The Effects Pollution has on the Transpiration of Plants</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Zachary Allan Verley</b>	Excellent	019 SCH
Grade: 11    Project Type: Individual		
<i>Project Title: How does hydroponics and aquaponics affect plant growth</i>		



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### Bloom Carroll MS, Carroll

<b>Ms. Kendall Ann Wild</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6    Project Type: Individual	Superior	246 1st    250 1st
<i>Project Title: Stain Away</i>		

### Bounty Collegium, Toledo

<b>Ms Rayanne Ihsan Mustapha</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12    Project Type: Individual	Superior	
<i>Project Title: Novel Solutions to Increase Protection in Contact</i>		

### Buckeye Valley Local HS, Delaware

<b>Mr William E Allen</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9    Project Type: Individual	Superior	080 2nd
<i>Project Title: Interactions of Various Algae Species and Phosphate</i>		

### Buckeye Valley Local MS, Delaware

<b>Mr. Evan Bills</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Individual	Excellent	
<i>Project Title: Music &amp; Plants</i>		

<b>Mr. Austin John Boyce</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Individual	Superior	250 1st
<i>Project Title: R.C Drag time</i>		

### Butler MS, Arcanum

<b>Mr. Micah Glen Arbogast</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8    Project Type: Individual	Excellent	
<i>Project Title: Effect of Electricity on the Strength of Electromagnets</i>		

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### Canfield HS, Canfield

<b>Ms. Nursen Hatun Arslanyilmaz</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 11 Project Type: Individual		
Project Title: <i>Brain's reaction to video games</i>		

### Carroll HS, Dayton

<b>Mr Jack Ryan Agnew</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 257 1st
Grade: 11 Project Type: Individual		
Project Title: <i>GPS Based Dog Containment System</i>		

### Harold C. Shaw Outstanding School Award

<b>Ms Grace M Bete</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 023 1st 028 2nd
Grade: 11 Project Type: Individual		
Project Title: <i>The Effect of Negative Polarity on Reading Speed and Comprehension</i>		

<b>Ms Grace Margaret Braun</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 11 Project Type: Individual		
Project Title: <i>Acoustic Beamforming for Passive Source Localization</i>		

<b>Ms Lucy Marie Buhrman</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 10 Project Type: Individual		
Project Title: <i>An Experimental Methodology for Measuring Relative Corrosion in Metals Due to Acid Rain Lucy Buhrman</i>		

<b>Ms Sarah Helen Campbell</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 234 3rd
Grade: 10 Project Type: Individual		
Project Title: <i>Earthworms' Effect on the Decomposition of Plastic</i>		

<b>Mr. Caedon Cooper</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 091 1st
Grade: 9 Project Type: Individual		
Project Title: <i>The Salinity in Various Bodies of Water and its Negative Effects</i>		

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### Carroll HS, Dayton

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Sarah June Hartzell</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>The Effect of Social Media on Teenagers' Body Image and Self Esteem</i>		

### Harold C. Shaw Outstanding School Award

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Laszlo Kaixi Hary</b>	Superior	067 1st
Grade: 11    Project Type: Individual		
Project Title: <i>Effect of Dimples on a Drone's Maximum Lift</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Laura Sophia Kabban</b>	Superior	
Grade: 9    Project Type: Individual		
Project Title: <i>Is Harder or Softer Ice Better for Figure Skating?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Bryce McEachen</b>	Superior	217 1st 251 3rd 260 1st
Grade: 9    Project Type: Individual		
Project Title: <i>The Effect of Varying Roof Paint Light Reflectance Values on Interior Temperature</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Claire McEachen</b>	Superior	
Grade: 9    Project Type: Individual		
Project Title: <i>Evaluating the Impact of Nail Polish/Coverings on the Accuracy of Pulse Oximetry Readings</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Samuel Vaughn Norman</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>The Effect of Milk Spoiling on Change of pH</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Sydney Giselle Ramsey</b>	Superior	018 2nd 019 SCH 234 1st
Grade: 10    Project Type: Individual		
Project Title: <i>The effect of Magicicada fertilizer on Glycine max growth</i>		

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### Carroll HS, Dayton

	OAS AWARD	Sponsored Awards -if any
<b>Ms Meredith B Sanders</b>	Superior	023 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>Mathematically Modeling the Decay Rate of Polystyrene in Ocean Water</i>	

### Harold C. Shaw Outstanding School Award

	OAS AWARD	Sponsored Awards -if any
<b>Mr Nathan Snizik</b>	Superior	031 2nd 080 3rd 134 HM
Grade: 11	Project Type: Individual	
Project Title:	<i>Evaluating the Effectiveness of Citrus × Sinensis Peel-Derived Biopolymer Composite Films as Preservation Agents</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Neil Tivakaran</b>	Superior	058 2nd 106 2nd 134 1st 244 SCH
Grade: 10	Project Type: Individual	
Project Title:	<i>Effect of Biosurfactants on Carbon Nanotube-Coated Fabric Conductivity</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Seth Tivakaran</b>	Superior	134 2nd 148 2nd
Grade: 11	Project Type: Individual	
Project Title:	<i>Comparison of Salt Compounds in Alginic Acid-Based Hydrogels</i>	

### Central Christian, Kidron

	OAS AWARD	Sponsored Awards -if any
<b>Ms Kara Elizabeth Jones</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>Treating tomato plants with mycorrhizae accelerates fruit development</i>	

### Central College Christian Academy, Westerville

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Addison Wrobbel</b>	Excellent	
Grade: 5	Project Type: Individual	
Project Title:	<i>The Effects of Temperature on a Bounce</i>	

### Cherokee ES, Liberty Township

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lillian Dakin</b>	Excellent	
Grade: 6	Project Type: Individual	
Project Title:	<i>Electromagnetic Induction and the Effects of Various Material Obstructions</i>	

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### Columbia MS, Columbia Station

<b>Ms. Alina Jones</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Excellent	
Project Type: Individual		
Project Title: <i>Investigating Colorblindness</i>		

### Dayton Christian School, Miamisburg

<b>Ms. Hailey Ann Jankord</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	
Project Type: Individual		
Project Title: <i>Egg Substitutes</i>		

### Dayton Regional STEM School, Kettering

<b>Ms. Erin Bradford</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Excellent	
Project Type: Individual		
Project Title: <i>Fat and CO2: Global Climate Change</i>		

<b>Ms. Lexi Malaika Bumah</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Excellent	257 1st 259 1st
Project Type: Individual		
Project Title: <i>A New Waterproof Compression Bra for Patients Post-Lumpectomy</i>		

<b>Ms. Ciara Marie Clayton</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Excellent	
Project Type: Individual		
Project Title: <i>The Effect of Different Shoes on Your Body Posture</i>		

<b>Mr Yash Ajitesh Kakade</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	264 Alt 1
Project Type: Individual		
Project Title: <i>SmartMower</i>		

<b>Ms Catharine Ann Logan</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Excellent	
Project Type: Individual		
Project Title: <i>The Science of Lying</i>		

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### Dayton Regional STEM School, Kettering

<b>Ms Elise Caroline Moore</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Excellent	
Project Type: Individual		
Project Title: <i>Antibacterial Properties of Regional Spices</i>		

<b>Ms. Megan Noel</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Excellent	
Project Type: Individual		
Project Title: <i>How Much Peanut Residue Spreads from One Surface to Another?</i>		

<b>Ms. Hannah Elizabeth Pond</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Excellent	
Project Type: Individual		
Project Title: <i>Bacteria on Different Types of Masks</i>		

<b>Ms. Izzy Izzy stefanski</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Superior	
Project Type: Individual		
Project Title: <i>Wheelchair Accessible Moving Wall Cabinet Prototype</i>		

<b>Mr Connor James Broderick</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Superior	257 1st
Project Type: Team		
Project Title: <i>A Step In The Right Direction</i>		

<b>Ms Gwendolyn Grace Broderick</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Superior	257 1st
Project Type: Team		
Project Title: <i>A Step In The Right Direction</i>		

<b>Mr Luke Michael Doseck</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Superior	080 1st 133 1st 257 1st
Project Type: Team		
Project Title: <i>Revising a Domestic Hydroelectric System</i>		

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### Dayton Regional STEM School, Kettering

<b>Mr. Savannah Ferguson</b> Grade: 10    Project Type: Team <i>Project Title: Water: Is it Really the Best?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Mr. Benjamin Fullam</b> Grade: 10    Project Type: Team <i>Project Title: Water: Is it Really the Best?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Mr Joseph Halstead Wright</b> Grade: 10    Project Type: Team <i>Project Title: Revising a Domestic Hydroelectric System</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 080 1st    133 1st    257 1st
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### DeColores Montessori, Greenville

<b>Ms. Kierstin Elizabeth Drew</b> Grade: 7    Project Type: Individual <i>Project Title: Chicken hot mess</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 246 1st
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<b>Mr. Samuel Samuel Dusek</b> Grade: 9    Project Type: Individual <i>Project Title: Conductivity of Water with Different Solutes</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
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<b>Mr. Daniel Kerns</b> Grade: 7    Project Type: Individual <i>Project Title: I'm feeling Blue</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Ms. Nevan Taylor Miley</b> Grade: 7    Project Type: Individual <i>Project Title: Battling Bacteria</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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### DeColores Montessori, Greenville

<b>Ms. Haley Miller</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Superior	
Project Type: Individual		
Project Title: <i>Solar beeswax melter</i>		

<b>Mr. Teddy Miller</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Superior	
Project Type: Individual		
Project Title: <i>Indoor Basil Harvesting</i>		

### Dublin Coffman HS, Dublin

<b>Mr. Laksh Dhir</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	033 3rd
Project Type: Individual		
Project Title: <i>An in vitro Comparative Study on Antimicrobial Effectiveness of Phytomedicines Against the Growth of Acne-Inducing Bacteria</i>		

### Dublin Jerome HS, Dublin

<b>Mr Praneel Probir Patel</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10	Superior	028 1st
Project Type: Individual		
Project Title: <i>Identifying Emotions Present in Human Speech and Improving Audio Analysis Utilizing Machine Learning Algorithms</i>		

<b>Mr Varun Ramanujam</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Superior	
Project Type: Individual		
Project Title: <i>Which tomato retain the most amount of active Vitamin C when cooked</i>		

<b>Mr Mihir Vador</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	147 2nd 148 1st
Project Type: Individual		
Project Title: <i>Novel Diagnosis of Multiple Sclerosis through Convolutional Neural Networks by analyzing 3 Dimensional Magnetic Resonance Images</i>		



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### Dunbar HS, Dayton

<b>Mr. Nykaih Gay</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 080 HM
Grade: 12	Project Type: Individual	
Project Title:	<i>Potential Ecological Benefit of Amur Honeysuckle</i>	

### East Liverpool MS, E Liverpool

<b>Ms. Sabrina Hill</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 7	Project Type: Individual	
Project Title:	<i>A Plant's Journey - From Bullied to Belonging</i>	

### East Richland Christian School, St Clairsville

<b>Mr. Charles Russell Gooch</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 5	Project Type: Individual	
Project Title:	<i>The Effect of Different Designs on Derby Car Speed</i>	

<b>Ms. Berea Ellen Miller</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 067 3rd
Grade: 5	Project Type: Individual	
Project Title:	<i>Comparison of Heat Loss in Insulated Coffee Cups</i>	

<b>Mr. Brayden Lee Miner</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 6	Project Type: Individual	
Project Title:	<i>How Much Weight Can A Pencil Withstand?</i>	

### Eastland Career Center, Groveport

### Harold C. Shaw Outstanding School Award

<b>Mr. Adolphus Ekow Addison</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 257 1st
Grade: 12	Project Type: Individual	
Project Title:	<i>Growth of Tissue in Biodegradable Scaffolds and Testing Functionality Through Mechanical Testing</i>	

<b>Ms. Edna Boadi</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 169 SCH
Grade: 12	Project Type: Individual	
Project Title:	<i>Analyzing Protein Expression in Chicken Samples from Various Food Stores using Proteomics</i>	

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### Eastland Career Center, Groveport

<b>Ms. Fallon Keeton</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>The Potential Formation of Chloroform through the Integration of Triclosan into Water</i>		

### Harold C. Shaw Outstanding School Award

<b>Mr. Jordan Michael Mason</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	050 1st 256 1st 258 1st
Project Type: Individual		
Project Title: <i>An Investigation of the Gut Microbiota of Healthy Dogs by Breed, Age, and Sex</i>		

<b>Mr. Varun Miriyala</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>The role of LOS glycosyltransferase LpsA in adaptation of nontypeable Haemophilus influenzae during middle ear infection</i>		

<b>Ms. Gabriela Panizo</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>The Effects of Red and Far-Red Light on Carbon Dioxide Absorption in Photosynthetic Bacteria</i>		

<b>Ms. Olivia Perry</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>The Effects of Different Concentrations of Potassium Chloride on the Development of Zebrafish Embryos</i>		

<b>Ms. M'Kaia Zhané Trent</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	148 2nd
Project Type: Individual		
Project Title: <i>Investigation Between Schwann Cell Nuclei Counts and Internode Length in CMT-2E Models</i>		

### Ellet CLC, Akron

<b>Mr. Haddon Boone</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Excellent	
Project Type: Individual		
Project Title: <i>Random vs. Deliberate Selection</i>		

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### Fairland HS, Proctorville

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Angela Y Li</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>Change In Post Consumption Glucose From Fasting Glucose With Different Diets</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Hannah Taylor</b>	Superior	
Grade: 10	Project Type: Individual	
Project Title:	<i>Battery Life</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms McKinsey Leigh Wray</b>	Excellent	
Grade: 10	Project Type: Individual	
Project Title:	<i>Fruit Sugars</i>	

### Fairland MS, Proctorville

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Mitchell Dunlap</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Which Water Bottle is the Coolest?</i>	

### Felicity Franklin MS, Felicity

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Addilynn Olivia Bock</b>	Excellent	
Grade: 5	Project Type: Team	
Project Title:	<i>The Battle of Electrolytes! Who will win Gatorade or apple juice?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lydia Hamilton</b>	Excellent	
Grade: 6	Project Type: Team	
Project Title:	<i>Smacktown in Stain Town</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Natalie Grace Leigh</b>	Excellent	
Grade: 6	Project Type: Team	
Project Title:	<i>Smacktown in Stain Town</i>	

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### Felicity Franklin MS, Felicity

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Stella Paige Ninichuck</b>	Excellent	
Grade: 5    Project Type: Team		
Project Title: <i>The Battle of Electrolytes! Who will win Gatorade or apple juice?</i>		

### Fort Jennings HS, Fort Jennings

	OAS AWARD	Sponsored Awards -if any
<b>Mr Evan Ellerbrock</b>	Superior	
Grade: 8    Project Type: Individual		
Project Title: <i>Loft Angle and Distance</i>		

### Geneva JS, Geneva

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lea Marie MacMichael</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>Yeast Growth Related to Water Temperature</i>		

### Global Impact STEM Academy, Springfield

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Alyssa Bayer</b>	Superior	157 SCH
Grade: 10    Project Type: Individual		
Project Title: <i>Hydroponics Comparison</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr Jackson DeWitt</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>How much Nitrate and Phosphate will Leach into Groundwater if the Application Rates of the Mono-Ammonium Phosphate Fertilizer are Changed?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Nicholas Funk</b>	Excellent	262 3rd
Grade: 8    Project Type: Individual		
Project Title: <i>How does Basil Grow in Different Soils?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Jillian Jennings</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>Pig Feeds and Their Available Protein</i>		

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### Global Impact STEM Academy, Springfield

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Josie Lynn Jennings</b>	Superior	030 2nd
Grade: 9	Project Type: Individual	
Project Title:	<i>How Does Temperature Affect Zebrafish Sex Determination?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Abigail Kittles</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Caffeine Amounts in Different Roasts of Coffee Beans</i>	

### Hathaway Brown, Shaker Hts

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Maya Tang</b>	Superior	148 2nd
Grade: 9	Project Type: Individual	
Project Title:	<i>Can Wearable Technology Help Guide Dieting Safety?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Julia Zhu</b>	Superior	148 2nd 238 1st
Grade: 10	Project Type: Individual	
Project Title:	<i>C19orf12 Ablation Caused Mitochondrial Dysfunction and Susceptibility to Ferroptosis in Neuronal Cell Model of MPAN</i>	

### Hawken School, Gates Mills

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Destynn Ayrom Keuchel</b>	Superior	058 1st 067 3rd 106 1st 247 2nd
Grade: 12	Project Type: Individual	
Project Title:	<i>Deployment of Thermoplastic and Thermosetting Technologies to Improve the Durability of Solar Sails</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Harsha Sanaka</b>	Superior	145 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>Temporal Trends and Disparities in Gastroenterology Care Utilization Before, During, and After COVID-19 Lockdown</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr John Nathaniel Shin</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Utilizing Intelligent Data Partitioning to Improve Machine Learning Models</i>	

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### Hilltop HS, West Unity

<b>Mr. James Blaine Bell</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	012 SCH 080 HM 251 1st
Project Type: Individual		
Project Title: <i>Analyzing Degradation Trends in Compostable through Various Compost Techniques</i>		

### Harold C. Shaw Outstanding School Award

<b>Ms Ella Grace Calvin</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>What Style of Suturing is Easiest to Learn in a Teaching Environment</i>		

<b>Ms Kacy Brienne Connolly</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>Combinations of Benzoyl Peroxide and Natural Agents on Bacteria Prevention</i>		

<b>Mr Hunter William Leupp</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	031 3rd
Project Type: Individual		
Project Title: <i>Nutrition Labeling and Its Effect on Consumer Preference</i>		

<b>Mr. Lakota Lloyd Siegel</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Excellent	
Project Type: Individual		
Project Title: <i>How Corrosion from Hot Salt Water Will Affect The Resistance on The Wire?</i>		

<b>Mr. Joseph Thomas Williams</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	
Project Type: Individual		
Project Title: <i>How The Diameter of a Baseball Bat Affects the Distance Traveled</i>		

### Holy Angels, Sidney

<b>Ms. Bailey Anne Cotterman</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Superior	
Project Type: Individual		
Project Title: <i>Which Brand of Popcorn Leaves the Most Unpopped Kernels?</i>		

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### Holy Angels, Sidney

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Josephine Flaute</b>	Excellent	
Grade: 6    Project Type: Individual		
<i>Project Title: Do cats have a preference for the food they eat depending on the expense of the food</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Turner Lachey</b>	Excellent	
Grade: 8    Project Type: Individual		
<i>Project Title: Can Chewing Gum Clean Your Teeth Better Than Brushing</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Calvin Gerard Linson</b>	Excellent	
Grade: 8    Project Type: Individual		
<i>Project Title: Is the Five Second Rule a Myth?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Anna Claire Minneci</b>	Excellent	134 HM
Grade: 8    Project Type: Individual		
<i>Project Title: Does Temperature Affect How Long Glow Sticks Last?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Henry William Petersen</b>	Superior	
Grade: 8    Project Type: Individual		
<i>Project Title: How does golf ball compression effect spin rate?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Taylor Alexis Platfoot</b>	Superior	
Grade: 6    Project Type: Individual		
<i>Project Title: What soil helps sunflowers grow the tallest</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Carter James Rigel</b>	Excellent	
Grade: 8    Project Type: Individual		
<i>Project Title: Which cleaning solution can eradicate the most bacteria?</i>		

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### Holy Angels, Sidney

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kara E Stewart</b>	Superior	239 SCH
Grade: 6	Project Type: Individual	
Project Title:	<i>Do Dingo Dental Sticks Clean Dog's Teeth</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Ian Andrew Stiver</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Deer Repellent Effectiveness</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Avery Michelle Wyan</b>	Superior	246 1st 250 1st
Grade: 6	Project Type: Individual	
Project Title:	<i>Does the Height of a Gymnast Affect the Length of Their Forward Roll?</i>	

### Holy Family, Stow

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Abigail Ann Alberta</b>	Superior	134 1st 246 1st 250 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>The Price is Right... Or is It? A Study on the Correlation of Price and Effectiveness of Stain Removers by Abigail Alberta</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Isabella Doss</b>	Superior	018 1st
Grade: 6	Project Type: Individual	
Project Title:	<i>The Effects of Soil Based Probiotics on Soybean Growth</i>	

### Holy Rosary, St Marys

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Emma Largent</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Extend Vase Flower Enjoyment</i>	

### Holy Trinity, Avon

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Sundae Delarm</b>	Excellent	
Grade: 6	Project Type: Individual	
Project Title:	<i>Rise Up!</i>	



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### Holy Trinity, Avon

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Samantha Gorney</b> Grade: 6    Project Type: Individual <i>Project Title: Om Nom Nom...Cookies!</i>	Excellent	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Caitlyn Dedic</b> Grade: 6    Project Type: Team <i>Project Title: Hearing Protection vs Hearing Protection: Which one is the most effective?</i>	Excellent	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Alicia Makowski</b> Grade: 6    Project Type: Team <i>Project Title: Hearing Protection vs Hearing Protection: Which one is the most effective?</i>	Excellent	

### Holy Trinity, Somerset

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Alexis Clouse</b> Grade: 8    Project Type: Individual <i>Project Title: Which type of grass grows the fastest?</i>	Excellent	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Harper Nash</b> Grade: 8    Project Type: Individual <i>Project Title: Does the color of light affect plant growth?</i>	Excellent	

### Home Schooled - District 09,

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Juliella Hankinson</b> Grade: 10    Project Type: Individual <i>Project Title: Salt in the Water? A Study of Variables Effecting Chloride Levels in Tributaries from Excessive use of Road Salt</i>	Superior	061 2nd

### Hopewell JS, West Chester

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Krishna Naik</b> Grade: 8    Project Type: Individual <i>Project Title: How tap water or filter watered water safety can reduce consumption of plastic water bottle and positively impact Climate Change</i>	Superior	217 3rd

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### Horizon Science Academy, Columbus

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Asantewa Bonna</b>	Superior	031 1st
Grade: 12	Project Type: Individual	
Project Title:	<i>How Food Inhibitors and Activators Affect the Degradation of Hydrogen Peroxide</i>	

### Howland HS, Warren

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Taylor Baer</b>	Superior	244 SCH
Grade: 11	Project Type: Individual	
Project Title:	<i>The Effects of Salinity on Fish Respiration</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Lukea Mei Pitinii</b>	Superior	234 2nd
Grade: 12	Project Type: Individual	
Project Title:	<i>The Effects of Decibel Levels on Plant Growth</i>	

### Hyatts MS, Powell

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Tarun Batchu</b>	Superior	258 1st 239 SCH
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effect of a Microbial Propagation of High Lipid Microalgae with Penicillium Chrysogenum towards Developing an Ultra-efficient Fungi-Algae Compound Potent of Yielding Optimal Thermal Stability against Hydrocarbon in (SOM)</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Ananya Pise</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>The Effects of Common Beverages on Teeth</i>	

### Hyre CLC, Akron

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Cody Lutz</b>	Excellent	
Grade: 7	Project Type: Team	
Project Title:	<i>Testing Electrolytes In Gatorade and Gatorade Zero</i>	

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### Hyre CLC, Akron

<b>Mr. Nolyn McNeely</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Excellent	
Project Type: Team		
Project Title: <i>Testing Electrolytes In Gatorade and Gatorade Zero</i>		

<b>Mr. Colten Sloat</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Excellent	
Project Type: Team		
Project Title: <i>Testing Electrolytes In Gatorade and Gatorade Zero</i>		

### Incarnate Word Academy, Parma Hts

<b>Mr. Ryan Peter Haas</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Excellent	
Project Type: Individual		
Project Title: <i>Will Different Liquids Affect the Weight of Gummy Bears?</i>		

### Incarnation, Centerville

<b>Mr. Christian Joseph Pullins</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	
Project Type: Individual		
Project Title: <i>Clean the Desks!</i>		

<b>M. Corinne Meadow Simpson</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Excellent	
Project Type: Individual		
Project Title: <i>An Egg-cellent Experiment</i>		

<b>Ms. Jordan Thornburg</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	239 SCH 246 1st 250 1st
Project Type: Individual		
Project Title: <i>Does Surface Matter?</i>		

### Independence ES, Liberty Twp

<b>Ms. Ashley Allen</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5	Excellent	
Project Type: Team		
Project Title: <i>Rotten to the Core</i>		

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### Independence ES, Liberty Twp

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Brinley Ott</b>	Excellent	
Grade: 5    Project Type: Team		
Project Title: <i>Rotten to the Core</i>		

### Jackson HS, Massillon

	OAS AWARD	Sponsored Awards -if any
<b>Ms Snehal Choudhury</b>	Superior	
Grade: 12    Project Type: Individual		
Project Title: <i>A Pandas Outlook on Correlations Between Societal and Health Factors</i>		

### Jackson Memorial MS, Massillon

	OAS AWARD	Sponsored Awards -if any
<b>Mr Rishitej Nagubandi</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>Temperature? Surface Tension? Probably Needs More Explanation</i>		

### Jackson MS, Jackson

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Anna Zou</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>The Design of a Paper Plane that Flew the Farthest</i>		

### John F Kennedy Catholic Lower School, Warren

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Jane Odille</b>	Superior	246 1st
Grade: 5    Project Type: Individual		
Project Title: <i>Do family members have similar fingerprints?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kailyn Aimee Rudd</b>	Excellent	
Grade: 5    Project Type: Individual		
Project Title: <i>What metal is the most corrosion resistant to salt water?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lia Isabella Vescera</b>	Good	
Grade: 5    Project Type: Individual		
Project Title: <i>Bath Bomb Science</i>		

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### Kilbourne MS, Worthington

	OAS AWARD	Sponsored Awards -if any
<b>Ms. London Isabella Andersen</b>	Excellent	072 1st
Grade: 6		
Project Type: Individual		
Project Title: <i>Ground water versus fog water harvesting...let the race begin!</i>		

### L T Ball Intermediate ES, Tipp City

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kendall Echeman</b>	Excellent	
Grade: 5		
Project Type: Individual		
Project Title: <i>Evaluation of Wipes and Germ Wipes</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Xavier Howard</b>	Excellent	
Grade: 5		
Project Type: Individual		
Project Title: <i>Creating and manipulating warm foam</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Liam Oney</b>	Excellent	
Grade: 5		
Project Type: Individual		
Project Title: <i>Testing Popular Battery Brands</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Wyatt Robbins</b>	Excellent	
Grade: 5		
Project Type: Individual		
Project Title: <i>What potency of hydrogen peroxide makes a bigger outburst?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Aurora Eliza Ker</b>	Excellent	
Grade: 5		
Project Type: Team		
Project Title: <i>Kill Those Germs</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Cameron L Koenig</b>	Excellent	
Grade: 5		
Project Type: Team		
Project Title: <i>Effectiveness of Heat Protectants on Hair</i>		

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### L T Ball Intermediate ES, Tipp City

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Willow G Pyles-Dodds</b>	Excellent	
Grade: 5    Project Type: Team		
Project Title: <i>Effectiveness of Heat Protectants on Hair</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Sawyer Jane Ridge</b>	Excellent	
Grade: 5    Project Type: Team		
Project Title: <i>Kill Those Germs</i>		

### Lake Ridge Academy, N Ridgeville

	OAS AWARD	Sponsored Awards -if any
<b>Mr Amaan Siddiqi</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>Creating a Electromechanical Transducer</i>		

### Lakewood HS, Hebron

	OAS AWARD	Sponsored Awards -if any
<b>Mr William Kohut</b>	Superior	023 1st
Grade: 10    Project Type: Individual		
Project Title: <i>The Effect of Common Household Cleaning Chemicals on Surface Bacterial Growth</i>		

### Laurel School, Shaker Hts

	OAS AWARD	Sponsored Awards -if any
<b>Ms Kaitlyn Ernst</b>	Superior	033 1st 148 1st
Grade: 10    Project Type: Individual		
Project Title: <i>BG34-200 Engagement with Integrin CD11b for Modulating Tumor-Associated Myeloid Cells in Pancreatic Cancer</i>		

### Lehman Catholic HS, Sidney

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Brian Anthony Baumann</b>	Superior	
Grade: 9    Project Type: Individual		
Project Title: <i>Effects of Magnets on Batteries</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms Isabel Flores</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>Organic vs Synthetic: Which Pesticide Works Best at Deterring Insects?</i>		

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### Lehman Catholic HS, Sidney

<b>Mr Adith Joshua George</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>Using Data to Analyze Goalkeeper Performance</i>		

<b>Mr Brandon Scott Jones</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	
Project Type: Individual		
Project Title: <i>Effectiveness of different Alkaline Earth Ions on Preventing Alpha-Amylase's Denaturation</i>		

<b>Ms. Layla RaShell Platfoot</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Excellent	
Project Type: Individual		
Project Title: <i>How do pH levels affect soybean growth?</i>		

<b>Ms. Annamarie Burnette Stiver</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>Inhibition of S. epidermidis</i>		

### Liberty JS, Liberty Twp

<b>Mr. Varun Das</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Excellent	
Project Type: Individual		
Project Title: <i>Saving Migratory Animals</i>		

### Liberty Union HS, Baltimore

<b>Ms. Bailey Shy</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Excellent	
Project Type: Individual		
Project Title: <i>The Correlation Between Burnout in Gifted Students and Their Age.</i>		

### Liberty Union MS, Baltimore

<b>Ms. Caroline Kate Endsley</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8	Superior	250 1st
Project Type: Individual		
Project Title: <i>The Effects of Sleep on a Child's Mental Health</i>		

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### Liberty Union MS, Baltimore

	OAS AWARD	Sponsored Awards -if any
<b>Mr Micah Fisher</b>	Excellent	
Grade: 6	Project Type: Individual	
Project Title:	<i>Testing the Effectiveness of Eco-Friendly Cleaners on Bacterial Growth</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Emilyn Kanet</b>	Superior	250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Ultraviolet Light Affects on Bacterial Growth</i>	

### Lincoln HS, Gahanna

	OAS AWARD	Sponsored Awards -if any
<b>Mr. James Mills</b>	Superior	251 2nd 257 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>Building an Inexpensive Electric Bike</i>	

### Marysville STEM Early College HS, Marysville

	OAS AWARD	Sponsored Awards -if any
<b>Mr Gregory M Gerten</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>Paintball - Feel the Pain</i>	

### Maumee Valley Country Day, Toledo

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Laya Gokula</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Evaluation of Outcomes of Intertrochanteric Fractures Treated with Different Methods in Elderly</i>	

### Mentor HS, Mentor

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Grace Chen</b>	Superior	087 1st 134 3rd
Grade: 11	Project Type: Individual	
Project Title:	<i>The Effects of Pyrolysis on Upcycling Polyvinyl Chloride (PVC) in Gloves Through Reattaining Hydrochloric Acid (HCl) For Higher-Value Applications</i>	

### Harold C. Shaw Outstanding School Award



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### Mentor HS, Mentor

	OAS AWARD	Sponsored Awards -if any
<b>Ms Claire M English</b>	Superior	
Grade: 12 Project Type: Individual		
Project Title: <i>The Effects of eIF2A on the Expression of Adipokines in Brown Adipose Tissue of Mice</i>		

### Harold C. Shaw Outstanding School Award

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Carsen Fraser</b>	Superior	028 2nd
Grade: 12 Project Type: Individual		
Project Title: <i>Student Athletes and Anxiety</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Haniyah Imran</b>	Superior	
Grade: 11 Project Type: Individual		
Project Title: <i>Nurse Habit Changes due to COVID-19 Pandemic</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Aly Anne Klein</b>	Superior	
Grade: 11 Project Type: Individual		
Project Title: <i>The Effect Dance Has on the Perception of Body Image</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Yeshwarya Pakki</b>	Excellent	
Grade: 12 Project Type: Individual		
Project Title: <i>Effects of Intermittent Fasting on Circadian Rhythm</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Lucas Scott Spencer</b>	Superior	
Grade: 11 Project Type: Individual		
Project Title: <i>The effects COVID has on students' social health and academic life</i>		

### Miami East ES, Casstown

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Savannah Kevay Brown</b>	Excellent	
Grade: 5 Project Type: Team		
Project Title: <i>Hand Sanitizer vs. Hand Soap</i>		

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### Miami East ES, Casstown

<b>Ms. Ava Leigh McGaharan</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5	Excellent	
Project Type: Team		
Project Title: <i>Hand Sanitizer vs. Hand Soap</i>		

### Miami East HS, Casstown

<b>Ms Katie Grace Weddle</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>The Intellect of the American Crow</i>		

### Miami Valley Career Tech Ctr, Clayton

<b>Ms. Gabrielle Dennyale Allen</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	011 SCH
Project Type: Individual		
Project Title: <i>Nutrition behind The Female Athlete Triad</i>		

<b>Mr. Hayden L Bratton</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Excellent	264 SCH
Project Type: Individual		
Project Title: <i>The Effects of Whole Body Vibration, Post Activation Potentiation, and Electrostimulation on Peak Power and Relative Peak Power Output</i>		

<b>Ms. Katherine Elizabeth Daugherty</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	
Project Type: Individual		
Project Title: <i>The Effects of Whole Body Vibration and Post Activation Potentiation on Anaerobic Power and Capacity</i>		

<b>Ms. Kiera Grace Elliott</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	
Project Type: Individual		
Project Title: <i>Can the alteration of stride frequency enhance a runner's performance?</i>		

<b>Ms. Reina S Frame</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Superior	
Project Type: Individual		
Project Title: <i>Does a Jump Help with Reaction Time?</i>		

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### Miami Valley Career Tech Ctr, Clayton

<b>Ms. Jessica Ann Houseman</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Excellent	023 1st
Project Type: Individual		
Project Title: <i>How Positive and Negative Energy Affects Athletes Performances</i>		

<b>Ms. Elizabeth Grace Maxwell</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	
Project Type: Individual		
Project Title: <i>The Effects of Water, Electrolyte Solution, and Pickle Juice on Athletic Performance</i>		

<b>Ms. Hannah Paige Rademachir</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 11	Superior	
Project Type: Individual		
Project Title: <i>Does Good Imagery Create Good Basketball Skills?</i>		

<b>Ms. Julia Riesenbeck</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12	Excellent	050 HM
Project Type: Individual		
Project Title: <i>The Deformalization of Urinary Calculi</i>		

### Miller South VPA, Akron

<b>Ms. Marlena MacPherson</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Excellent	
Project Type: Individual		
Project Title: <i>The Focused Brain</i>		

### Milton-Union HS, W Milton

<b>Mr Liam Hartley</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9	Superior	
Project Type: Individual		
Project Title: <i>Radiation Shielding on Mars</i>		

### Milton-Union MS, W Milton

<b>Mr. Brady Robert Tinnerman</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7	Excellent	
Project Type: Individual		
Project Title: <i>Everyone Burps</i>		

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### Monroeville ES, Monroeville

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Scarlett Shupe</b>	Superior	246 1st
Grade: 5    Project Type: Team		
Project Title: <i>How do gear combinations effect torque?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kiahna Smith</b>	Superior	246 1st
Grade: 5    Project Type: Team		
Project Title: <i>How do gear combinations effect torque?</i>		

### Mother Teresa Catholic, Liberty Twp

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Reagan Bing</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>Does writing or typing help someone better remember information?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Olivia Paige Birkle</b>	Superior	080 3rd
Grade: 7    Project Type: Individual		
Project Title: <i>What type of Whitening Process works the Best?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Nicholas James Gellner</b>	Superior	
Grade: 7    Project Type: Individual		
Project Title: <i>Is dry ice a better alternative to ice or ice packs</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Graham Risk</b>	Superior	061 HM
Grade: 7    Project Type: Individual		
Project Title: <i>Which bridge structure is the strongest?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Jillian Seibert</b>	Superior	246 1st
Grade: 7    Project Type: Individual		
Project Title: <i>Which type of fat gives you the fluffiest chocolate chip cookie</i>		

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### Mother Teresa Catholic, Liberty Twp

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Kane Michael Shawger</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Which Type Of Wrestling Shoe Has The Best Traction?</i>	

### National Inventor's Hall of Fame STEM MS, Akron

	OAS AWARD	Sponsored Awards -if any
<b>M. Jay Cooke</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>Artificial or Natural?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Jaeden Michael Dancy</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>How Different Types of Light Affect Plant Growth</i>	

### New Albany HS, New Albany

	OAS AWARD	Sponsored Awards -if any
<b>Ms Dana Ioana Stan</b>	Superior	247 1st
Grade: 9	Project Type: Individual	
Project Title:	<i>Drone Propellers: Thrust the Process</i>	

### New Albany Intermediate School, New Albany

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Madeline Bowser</b>	Excellent	
Grade: 5	Project Type: Individual	
Project Title:	<i>How Ingredients Affect Baking</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Neha Hariharan</b>	Superior	028 1st 246 1st
Grade: 6	Project Type: Individual	
Project Title:	<i>Exploring Behavioral Science through the Monty Hall Problem</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Aditya Amit Pendse</b>	Excellent	
Grade: 5	Project Type: Individual	
Project Title:	<i>The Cold Bounce - Effect of Temperature on Tennis Ball Bounce</i>	

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### New Albany Intermediate School, New Albany

<b>Mr. William T Pryzbylek</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5	Excellent	
Project Type: Individual		
Project Title: <i>How To Cook The Juiciest Burger</i>		

<b>Ms Amelie Elizabeth Taylor</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Excellent	
Project Type: Individual		
Project Title: <i>What Spray Cleaner Does the Best Job at Stopping the Growth of Bacteria?</i>		

<b>Ms Svara Amol Vaidya</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Excellent	
Project Type: Individual		
Project Title: <i>Multi-layered material for better sound absorption</i>		

<b>Mr Ryan Aiden Zand</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Superior	246 1st 262 2nd
Project Type: Individual		
Project Title: <i>Does Soil Compaction Affect Plant Growth?</i>		

<b>Mr Hongxin Zhu</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6	Excellent	
Project Type: Individual		
Project Title: <i>The Testimony of Pennies and Coco-Cola</i>		

<b>Mr. Neil Matthew Albert</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5	Excellent	
Project Type: Team		
Project Title: <i>Eggshell Corrosion Experiment</i>		

<b>Ms. Paisley Kehres</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5	Excellent	
Project Type: Team		
Project Title: <i>Baking with natural and artificial resources</i>		

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### New Albany Intermediate School, New Albany

<b>Mr. Thejas Sajeev Nair</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Team	Excellent	
<i>Project Title: Eggshell Corrosion Experiment</i>		

<b>Ms. Samantha Pietro</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Team	Excellent	
<i>Project Title: Baking with natural and artificial resources</i>		

### Northeastern HS, Springfield

<b>Ms. Ella Ashworth</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9    Project Type: Individual	Excellent	
<i>Project Title: Overcoming Genetics</i>		

<b>Mr. Kyle Herring</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9    Project Type: Individual	Excellent	
<i>Project Title: How Does Blue Light Emitted From Electronics Affect How Much Sleep You Get?</i>		

### Northwestern ES, W Salem

<b>Ms. McKenna Sophie Boyd</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Individual	Excellent	
<i>Project Title: Acrylic Paint Additive</i>		

<b>Ms. Tessa Lin Buzzard</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Individual	Excellent	
<i>Project Title: Some things are worth melting for</i>		

<b>Mr. Quinn Conley</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Individual	Excellent	
<i>Project Title: How Far Will It Roll?</i>		

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### Northwestern ES, W Salem

<b>Mr. Karsten Kline</b> Grade: 5    Project Type: Individual <i>Project Title: The Strength of Wood</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 061 HM
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<b>Mr. Hank Morris</b> Grade: 5    Project Type: Individual <i>Project Title: Best Household Rust Remover</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Ms. Madeline M Morris</b> Grade: 5    Project Type: Individual <i>Project Title: Does smell affect taste?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Mr. Brayden James Turnage</b> Grade: 5    Project Type: Individual <i>Project Title: Pearly Whites Gone Bad</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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### Northwestern HS, W Salem

<b>Ms. Deanna Devore</b> Grade: 12    Project Type: Individual <i>Project Title: Effective Flossing Methods</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
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<b>Mr. Josiah Richard Gilman</b> Grade: 10    Project Type: Individual <i>Project Title: The Effects of Topically Diverse Visual Stimuli on Male Highschool Students</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
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<b>Ms. Taylor Jade Haley</b> Grade: 12    Project Type: Individual <i>Project Title: Surface Temperature on Diabetic Patients</i>	<b>OAS AWARD</b> Good	<b>Sponsored Awards -if any</b>
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### Northwestern HS, W Salem

<b>Ms. Kendra Hummel</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12 Project Type: Individual	Excellent	
<i>Project Title: Induced Liver Fibrosis</i>		

<b>Ms. Danyel Nicol Hyatt</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9 Project Type: Individual	Excellent	
<i>Project Title: Minutiae in Fingerprints</i>		

<b>Ms. Caitlyn Ann Leighty</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12 Project Type: Individual	Superior	
<i>Project Title: Muscle Cramping in Athletes</i>		

<b>Mr. Cierra Imani-Rayn Phillips</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12 Project Type: Individual	Excellent	
<i>Project Title: The Effects of Phones in the Classroom</i>		

<b>Mr. Matt E Adams</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12 Project Type: Team	Excellent	
<i>Project Title: Compactable Crutch</i>		

<b>Ms. Shayna Nicole Allshouse</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12 Project Type: Team	Excellent	080 2nd
<i>Project Title: Proof of Principle: Using Dinoflagellates as a Sustainable Light Source</i>		

<b>Mr. Jagger Jordan Brown</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 12 Project Type: Team	Excellent	
<i>Project Title: Portable Fire Ring</i>		

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### Northwestern HS, W Salem

<b>Mr. Dominic Joseph Guidetti</b> Grade: 12 Project Type: Team <i>Project Title: Side to Side Motion Target</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Mr. Gabe A. Hendricks</b> Grade: 12 Project Type: Team <i>Project Title: Portable Fire Ring</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Nathaniel D Jackson</b> Grade: 12 Project Type: Team <i>Project Title: Boat Drain Plug Sensor</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Jedidiah s Miller</b> Grade: 12 Project Type: Team <i>Project Title: Compactable Crutch</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Ms. Sarah Miller</b> Grade: 12 Project Type: Team <i>Project Title: Proof of Principle: Using Dlnoflagellates as a Sustainable Light Source</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 080 2nd
<b>Mr. Ryan John Walter</b> Grade: 12 Project Type: Team <i>Project Title: Side to Side Motion Target</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Mr. Steven D Widdows</b> Grade: 12 Project Type: Team <i>Project Title: Boat Drain Plug Sensor</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>

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### Notre Dame ES, Portsmouth

<b>Ms. Chloe Loryn Lucas</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Team	Superior	246 1st
<i>Project Title: "It's No Joke...Don't Smoke!"</i>		

<b>Ms. Finley Elliott Noel</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5    Project Type: Team	Superior	246 1st
<i>Project Title: "It's No Joke...Don't Smoke!"</i>		

### Ohio Virtual Academy, Maumee

<b>Mr Aviraj Soin</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Team	Excellent	
<i>Project Title: Creating Hybrid Plants To Improve Biodiversity</i>		

<b>Mr Dhilen Soin</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6    Project Type: Team	Excellent	
<i>Project Title: Creating Hybrid Plants To Improve Biodiversity</i>		

### Olentangy HS, Lewis Center

<b>Mr Rishivarshil Nelakurti</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 10    Project Type: Individual	Superior	
<i>Project Title: Exploring the Correlation Between Expressibility and Classification Accuracy in Quantum Circuits</i>		

<b>Ms. Deepthisri Paruchuri</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 9    Project Type: Individual	Excellent	086 3rd
<i>Project Title: Domestic Greywater Treatment by Natural Coagulants combined with Flocculation and Filtration</i>		

### Olentangy Shanahan MS, Lewis Center

<b>Ms. Gayathri Ganduri</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7    Project Type: Individual	Excellent	
<i>Project Title: Which Grows Faster: A Mint Plant Grown by Soil or a Deep Water Culture System?</i>		

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### Olentangy Shanahan MS, Lewis Center

	OAS AWARD	Sponsored Awards -if any
<b>Ms Divyasree Paruchuri</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Effects of Oxybenzone in Sunscreen on Glycine max and Artemia Salina</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Aditya Varma Sangu</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Magnet-o-Power</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Aarav Kasala</b>	Superior	072 HM
Grade: 6	Project Type: Team	
Project Title:	<i>Fantastic Carbon Contaminant Filters</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Jashwin Pisini</b>	Superior	072 HM
Grade: 6	Project Type: Team	
Project Title:	<i>Fantastic Carbon Contaminant Filters</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Saketh Thotapalli</b>	Superior	072 HM
Grade: 6	Project Type: Team	
Project Title:	<i>Fantastic Carbon Contaminant Filters</i>	

### Ottawa Hills Junior/Senior HS, Ottawa Hills

	OAS AWARD	Sponsored Awards -if any
<b>Mr. William James Berschback</b>	Excellent	218 SCH
Grade: 12	Project Type: Individual	
Project Title:	<i>Detecting Ancient Stellar Clusters in Galaxies similar to the Milky Way using the Hubble Space Telescope</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr John Thomas Franklin</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>The Quest to Reduce Iron Stress: The Relationship Between Plant Iron Stress, Fe Uptake Rate, and Concentration of IRT1 in Marigolds</i>	

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### Ottawa Hills Junior/Senior HS, Ottawa Hills

<b>Ms. Elanora Rain Smith</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 072 2nd 087 1st 091 1st 197 SCH 249 SCH
Grade: 11	Project Type: Individual	
Project Title:	<i>The Generation of a Recombinant Protein from Pseudomonas sp. and its Ability to Degrade Microcystin Toxin MC-LR</i>	

<b>Mr. Quinton John Smith</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 080 HM 239 SCH 250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effects of Fertilizer on Algal and Plant Growth</i>	

<b>Mr Andrew Donald Sturtz</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
Grade: 10	Project Type: Individual	
Project Title:	<i>Implications of Calcium Molarity on Isopod Production of Composted Matter</i>	

<b>Mr. Mahd Syed Naqvi</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 9	Project Type: Team	
Project Title:	<i>Is Wind or Solar Power more Effective on a Smaller Scale</i>	

<b>Mr. Cole Edward Weaver</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 9	Project Type: Team	
Project Title:	<i>Is Wind or Solar Power more Effective on a Smaller Scale</i>	

### Ottoville ES, Ottoville

<b>Ms. Kiley Jo Hilvers</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 7	Project Type: Individual	
Project Title:	<i>Double Dipping Disgusting or Not?</i>	

<b>Ms. Vanessa Grace Hilvers</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 7	Project Type: Individual	
Project Title:	<i>What Type of Cup Keeps Coffee Hot the Longest</i>	

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### Ottoville ES, Ottoville

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Brooklyn Mary Koester</b>	Superior	
Grade: 7    Project Type: Individual		
Project Title: <i>What Effect Does Upper vs. Lower Body Workout Have on Heart Rate?</i>		

### Our Lady Of Perpetual Help, Grove City

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Avery Grace Pierre</b>	Superior	
Grade: 7    Project Type: Individual		
Project Title: <i>Does Crossed Hand-Eye Dominance Affect Basketball Shooting Percentages?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Meg Ann Riter</b>	Superior	246 1st
Grade: 7    Project Type: Individual		
Project Title: <i>Vivid Numbers</i>		

### Patrick Henry HS, Hamler

	OAS AWARD	Sponsored Awards -if any
<b>Mr Andrew James Baden</b>	Superior	
Grade: 11    Project Type: Individual		
Project Title: <i>Comparison of Electrolytes for the Purpose of CO2 Reduction</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Faith Marie Feehan</b>	Superior	
Grade: 9    Project Type: Individual		
Project Title: <i>Pearly Whites, Which Whitening Product Whitens The Best?</i>		

### Patrick Henry MS, Hamler

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lauren Louise Giesige</b>	Excellent	256 1st
Grade: 7    Project Type: Individual		
Project Title: <i>Does Introducing Creep Feed Before Weaning Helps Growth in Piglets</i>		

### Perrysburg JS, Perrysburg

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Avnish Vithal Shendge</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>Novel Irrigation Design for Water Conservation</i>		

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### Perrysburg JS, Perrysburg

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Gauri Anil</b>	Superior	133 1st
Grade: 7    Project Type: Team		
Project Title: <i>Effects of Ethnicity on Fingerprints</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Ria Khatri</b>	Superior	133 1st
Grade: 7    Project Type: Team		
Project Title: <i>Effects of Ethnicity on Fingerprints</i>		

### Pettisville HS, Pettisville

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Delana Leigh Damman</b>	Superior	050 HM 256 1st 258 1st
Grade: 10    Project Type: Individual		
Project Title: <i>The Comparison of Protein, Solids, and Fats in Goat and Cow Milk</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Amanda Renee Grimm</b>	Superior	
Grade: 10    Project Type: Individual		
Project Title: <i>The Comparison of Penicillin and Natural Antimicrobials on the Inhibition on Bacteria</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Ella Marie Richer</b>	Superior	080 3rd 244 SCH
Grade: 10    Project Type: Individual		
Project Title: <i>The Effect of Growing Cereal Rye With Annual Ryegrass as a Cover Crop</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Kelly Wyse</b>	Excellent	011 Alt 2
Grade: 11    Project Type: Individual		
Project Title: <i>Comparing Skin Moisturizers And Antibiotic Ointments In The Ability To Inhibit Bacteria</i>		

### Piqua Catholic ES, Piqua

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Carey Jeanne Yant</b>	Superior	070 2nd 246 1st
Grade: 6    Project Type: Individual		
Project Title: <i>How Does the Outside Temperature Affect How a Marshmallow Melts in a Solar Oven</i>		

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### Put-In-Bay HS, Put-In-Bay

	OAS AWARD	Sponsored Awards -if any
<b>Ms Macy Sophia Ladd</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Comparing Alternative Energy Generation Methods on Lake Erie</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Alice Grace Lentz</b>	Excellent	087 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>The Potential Applications of Algae Cultures for Oxygen Production in Extraterrestrial Environments</i>	

### Ridgewood School, Springfield

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Annia Ameer</b>	Excellent	028 1st
Grade: 5	Project Type: Individual	
Project Title:	<i>The one and only bacteria</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Emerson Wesley Babian</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>Die Bacteria Die!</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms Mary McKenzie Cunningham</b>	Superior	080 2nd 087 1st 239 SCH
Grade: 8	Project Type: Individual	
Project Title:	<i>Soil Remediation with Phytoremediation</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Nicoletta Alexandra Gianakopoulos</b>	Superior	
Grade: 6	Project Type: Individual	
Project Title:	<i>Let It Grow!</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Landon Myles Hunter</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Which Organic Waste Product Do Worms Eat the Fastest?</i>	



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### Ridgewood School, Springfield

	OAS AWARD	Sponsored Awards -if any
<b>Mr Mahed Sayed Rizvi</b>	Superior	
Grade: 8	Project Type: Individual	
Project Title:	<i>Apple Vs Samsung</i>	

### Rutherford B Hayes HS, Delaware

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Adam Clay Fronduti</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Jazzassist: a Fusion of a Cultural Artform and Technology</i>	

### Sacred Heart of Jesus, Wadsworth

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Dominic Michael Fortunato</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Conventional versus Organic Detergent and its Effects on Worm Health</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Maggie Lenore Gerschutz</b>	Superior	061 3rd 072 2nd
Grade: 7	Project Type: Individual	
Project Title:	<i>Effects of Lead Amounts in Drinking Water When Using Activated Carbon Filters</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Clare Marie McCabe</b>	Superior	246 1st 250 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>Insulation Types: Cellulose vs. Rockwool vs. Fiberglass</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Cody James Stafinski</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Plant Growth</i>	

### SCOPES Academy at Unioto Elementary, Chillicothe

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Ty Michael Beard</b>	Superior	246 SCH
Grade: 5	Project Type: Individual	
Project Title:	<i>How Does Electricity Work Using Electrical Paint?</i>	

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### SCOPES Academy at Unioto Elementary, Chillicothe

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Gabriel Jaruwannakorn</b>	Excellent	
Grade: 5	Project Type: Individual	
Project Title:	<i>Single, Double, Triple, Dingers!--How Different Types of Baseball Bats Affect The Ball?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Emmett Matthew Kinnison</b>	Superior	239 SCH 246 1st
Grade: 5	Project Type: Individual	
Project Title:	<i>Do Babies Look Like Their Parents?--A Study Of Phenotypic Traits</i>	

### Solon MS, Solon

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Evan Dan</b>	Excellent	058 1st 106 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>What are the Effects of Phase Change Materials on the Temperature of an Enclosed Area</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Rebecca Jacob</b>	Excellent	217 2nd
Grade: 8	Project Type: Individual	
Project Title:	<i>How Does the Negative Mold of a Rose Petal Effect a Solar Cell's Efficiency?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Jacob Khaykin</b>	Excellent	087 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Testing Radiation</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Grant Lee</b>	Superior	239 SCH 250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>The Filtration Efficacy of Medical-Mask Layers</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Nandita Srikumar</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Effect of Activated Carbon on Water Filtration</i>	

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### Solon MS, Solon

<b>Mr. Christopher Wang</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	250 1st
<i>Project Title: How Bubbles Form</i>		

### Southeastern MS, Chillicothe

<b>Ms. Addyson Braelyn Stewart</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7 Project Type: Individual	Excellent	
<i>Project Title: How does a goats breed affect development?</i>		

### St Agatha, Columbus

<b>Mr. Isaac Nail Bergman</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7 Project Type: Individual	Excellent	
<i>Project Title: Affects of Acidic Liquids</i>		

<b>Ms. Lily Noelle Price</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 7 Project Type: Individual	Excellent	
<i>Project Title: Does Taking Away Smell Affect Taste?</i>		

### St Albert The Great, N Royalton

<b>Mr. Giancarlo Francesco Bontempo</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	
<i>Project Title: Metal in the Morning</i>		

<b>Ms. Ava Isabella Roman</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Excellent	
<i>Project Title: Let's Face It!</i>		

<b>Ms. Caitlin Patricia Sweeney</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	
<i>Project Title: Analyzing Sanitizing</i>		

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### St Benedict Catholic School, Toledo

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Owen Alexander Thoma Crabtree</b>	Excellent	139 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>How does temperature affect the viscosity of synthetic and conventional motor oil?</i>	

### St Brendan, N Olmsted

	OAS AWARD	Sponsored Awards -if any
<b>Mr Elijah Paul Molseed</b>	Excellent	067 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Does Mass Affect A Drones Lift?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Owen David Pry</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>Which Liquids Are Most Corrosive?</i>	

### St Charles Borromeo, Kettering

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Andrew Joeseeph Fink</b>	Superior	
Grade: 8	Project Type: Individual	
Project Title:	<i>Nerf Gun Fun</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Claire Kathryn Goeke</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Liquids Affecting Teeth</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Audrey Suzanna Lombard</b>	Superior	
Grade: 8	Project Type: Individual	
Project Title:	<i>How does Caffeine Affect Plants</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Jordan Charles Wiesman</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Fastest Way To Cool a Soda</i>	

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### St Columban, Loveland

<b>Mr Jason Patrick Bachmann</b> Grade: 8    Project Type: Individual <i>Project Title: Virtual Reality's Real Health Benefits</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Colin DeVlyder</b> Grade: 7    Project Type: Individual <i>Project Title: Blowing in the Wind: How do different blade types, number of blades, and wind speeds affect the power output of a wind turbine</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Ms. Lydia Hiller</b> Grade: 8    Project Type: Individual <i>Project Title: Which Method of Desalination Cleans Salt Water Best?</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Ms Paige Nicole Huiet</b> Grade: 8    Project Type: Individual <i>Project Title: Impact of Fire Retardant V2</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Ms Lucy Rebecca Krebs</b> Grade: 8    Project Type: Individual <i>Project Title: Which Type Of Building Material Retains Cool Air The Best?</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 061 2nd
<b>Mr. Jackson Scott Owens</b> Grade: 7    Project Type: Individual <i>Project Title: What is the Best Antidote for Spice?</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Ms. Evi Carmen Wallace</b> Grade: 8    Project Type: Individual <i>Project Title: One Rotten Apple Spoils the Bunch</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>

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### St Columban, Loveland

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Meghan Grace Worpenberg</b>	Superior	080 1st 087 1st
Grade: 7 Project Type: Individual		
Project Title: <i>Where Should I Swim? The Great Miami River or Little Miami River.</i>		

### St Edward, Ashland

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Claire Amelia Ann Sharick</b>	Superior	
Grade: 7 Project Type: Individual		
Project Title: <i>Which Auditory Environment Creates the Best Night's Sleep?</i>		

### St Francis DeSales, Newark

	OAS AWARD	Sponsored Awards -if any
<b>Mr. John Eiginger</b>	Excellent	
Grade: 8 Project Type: Individual		
Project Title: <i>Are household disinfectants equally effective?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Henry Hitchens</b>	Superior	250 1st
Grade: 8 Project Type: Individual		
Project Title: <i>Winglets of Airplanes</i>		

### St Francis Xavier, Medina

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Nathan Gay</b>	Excellent	
Grade: 7 Project Type: Individual		
Project Title: <i>The Gauss Rifle: The Power of Magnets</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Ian Hawkes</b>	Excellent	
Grade: 6 Project Type: Individual		
Project Title: <i>Texting vs. Talking: The Effects of Cell Phones on Reaction Time</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Clarissa Kellerman</b>	Superior	
Grade: 6 Project Type: Individual		
Project Title: <i>Cleaning U.S. Pennies: Will 100% lemon juice clean U.S. pennies the best?</i>		

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### St Francis Xavier, Medina

	OAS AWARD	Sponsored Awards -if any
<b>Mr. William W Montalto</b>	Excellent	
Grade: 6	Project Type: Individual	
Project Title:	<i>Teeth Whitening Experiment</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lillian Nicole Obhof</b>	Excellent	
Grade: 6	Project Type: Individual	
Project Title:	<i>Stains! Stains! Go Away! Which Stain Remover Works the Best?</i>	

### St Gertrude, Cincinnati

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Ethan Corsmo</b>	Superior	058 2nd 106 2nd
Grade: 7	Project Type: Individual	
Project Title:	<i>The Breakdown on Infill Pattern Strength</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Aaron Francis Dorsey</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>The Green Light: What Type of Lighting Is Best for Growing Basil Plants Indoors?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Margaret Mary McCormick</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>The Chicken Labyrinth</i>	

### St Helen, Newbury

	OAS AWARD	Sponsored Awards -if any
<b>Ms Natalie Anne Gerstenberger</b>	Superior	246 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Meditation In the Fight Against Test Anxiety</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Audrey Kilmer</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Does the color of the jump affect how high a horse will jump it?</i>	

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### St Helen, Newbury

	OAS AWARD	Sponsored Awards -if any
<b>Ms Ava Therese Lewandowski</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>Plastics Into Food</i>		

### St Jude, Elyria

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Nicole Irene BeVier</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>Which Type of Sugary Beverage Affects Our Teeth the Most?</i>		

### St Mary, Delaware

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Taylor Carolyn Kress</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>What Kind of Soda Ruins Teeth the Fastest?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Mary Shimp</b>	Superior	
Grade: 8    Project Type: Individual		
Project Title: <i>What Colors Affect Memory the Most, Warm or Cool?</i>		

### St Mary, Lancaster

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Will Boswell</b>	Superior	
Grade: 7    Project Type: Individual		
Project Title: <i>The Effect of Flour Type on Dough Rising</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Elizabeth Jade La Rosa</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>The smell differences between the fresh and dry herbs.</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Sammy McGill</b>	Superior	145 2nd 148 2nd 246 1st 250 1st
Grade: 7    Project Type: Individual		
Project Title: <i>The Effect of Poor Posture on Lung Capacity and Blood Pressure</i>		



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### St Mary, Lancaster

<b>Ms. Ziyat Shokirjon qizi Sodikova</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 7	Project Type: Individual	
Project Title:	<i>Eww!! Is That A Fungi On My Cheese Stick?!</i>	

<b>Mr. Samuel Tencza</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 7	Project Type: Individual	
Project Title:	<i>Does whole milk spoil faster than skim milk?</i>	

### St Mary Central, Martins Ferry

<b>Mr. John Adamsky</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 239 SCH
Grade: 6	Project Type: Individual	
Project Title:	<i>What Food Do Worms Compost The Quickest?</i>	

<b>Ms Keyuri Perisha Morgan</b>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 030 3rd
Grade: 8	Project Type: Individual	
Project Title:	<i>Nutrient Pollution Affecting Life and the Environment</i>	

<b>Mr Graham Tolbert Stecker</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 6	Project Type: Individual	
Project Title:	<i>How does ski wax affect the sliding friction of skis?</i>	

<b>Mr Paul William Stecker</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 067 3rd
Grade: 8	Project Type: Individual	
Project Title:	<i>Predicting Rocket Performance</i>	

### St Mary Immaculate Conception, Wooster

<b>Ms. Quinn Adkins</b>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
Grade: 5	Project Type: Individual	
Project Title:	<i>Homemade Water Filtration</i>	

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### St Mary Immaculate Conception, Wooster

<b>Ms. Morgan Covey</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	250 1st
<i>Project Title: Heavy Metals</i>		

<b>Mr. Matthew Panicker Prah</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Excellent	
<i>Project Title: PTFE vs Ceramic Skates</i>		

<b>Ms. Ava Isabella Scott</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6 Project Type: Individual	Excellent	
<i>Project Title: Extinguishing Flames with CO2</i>		

<b>Mr. Maximilian Matthias Anton Seifried</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 5 Project Type: Individual	Superior	246 1st
<i>Project Title: Do Ants Attack</i>		

<b>Mr Anthony Robert Tarutani</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	250 1st 261 1st
<i>Project Title: What's in your parachute?</i>		

<b>Ms. Lila Rosemary Wright</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 8 Project Type: Individual	Superior	
<i>Project Title: Sign Psychology</i>		

### St Michael Consolidated, Ripley

<b>Ms. Ava Arn</b>	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
Grade: 6 Project Type: Individual	Excellent	
<i>Project Title: Let's Get Swinging!</i>		

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### St Michael Consolidated, Ripley

<b>Ms Sydney Arn</b> Grade: 8 Project Type: Individual Project Title: <i>Athletes vs Non Athletes - Lung Capacity</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
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<b>Ms Alexandra Depenbrock</b> Grade: 6 Project Type: Individual Project Title: <i>Near or Far, Our Eyes are Amazing!</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 246 1st
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<b>Mr Will Dragoo</b> Grade: 7 Project Type: Individual Project Title: <i>Does trailer weight distribution matter?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Ms Gabrielle Celeste Ernst</b> Grade: 8 Project Type: Individual Project Title: <i>A, B, C, D, or E.....Which Vitamin Will It Be?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Mr. Griffin Ernst</b> Grade: 5 Project Type: Individual Project Title: <i>Getting Grippy With It.</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Mr William Gunner Ernst</b> Grade: 7 Project Type: Individual Project Title: <i>Glider Challenge</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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<b>Ms. Makynli Hauke</b> Grade: 5 Project Type: Individual Project Title: <i>Grow Up</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
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### St Michael Consolidated, Ripley

	OAS AWARD	Sponsored Awards -if any
<b>Ms Addison O'Connor</b> Grade: 8    Project Type: Individual <i>Project Title: Bright and White</i>	Excellent	

<b>Ms. Alyssa Seip</b> Grade: 8    Project Type: Individual <i>Project Title: Sophisticated Sounds</i>	OAS AWARD Superior	Sponsored Awards -if any 189 1st
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<b>Ms. Sadie Strunk</b> Grade: 6    Project Type: Individual <i>Project Title: Germination Station</i>	OAS AWARD Superior	Sponsored Awards -if any
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### St Paschal Baylon, Cleveland

<b>Ms. Lorelei Annabelle Koeberer</b> Grade: 8    Project Type: Individual <i>Project Title: Does the size of the blood spatter correlate to the distance from which the blood fell?</i>	OAS AWARD Superior	Sponsored Awards -if any
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<b>Ms. Elizabeth McAndrew</b> Grade: 8    Project Type: Individual <i>Project Title: Does the type of fabric affect the amount of ultraviolet rays that pass through?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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<b>Ms. Arabella Anamaria Mellenthin</b> Grade: 8    Project Type: Individual <i>Project Title: How do Different Foods Affect Your Blood Sugar?</i>	OAS AWARD Excellent	Sponsored Awards -if any
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<b>Ms. Kaitlyn Christina Pak</b> Grade: 8    Project Type: Individual <i>Project Title: In what location is skyglow the greatest?</i>	OAS AWARD Superior	Sponsored Awards -if any 250 1st
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### St Paschal Baylon, Cleveland

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lauren Joyce Uzzo</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Do all liquids evaporate at the same rate?</i>	

### St Paul, Salem

	OAS AWARD	Sponsored Awards -if any
<b>Mr Alexander Ernest Rea</b>	Superior	067 1st
Grade: 6	Project Type: Individual	
Project Title:	<i>How Does Weight Affect a Drone?</i>	

### St Paul, Westerville

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Audriana Gail Barry</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Which Mask Will Hold The Least Amount Of Bacteria Colonies?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Brennan P Dalton</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effect of Length of Helicopter Blade on the Amount of Time to Generate Lift</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Allison Heil</b>	Excellent	018 3rd
Grade: 7	Project Type: Individual	
Project Title:	<i>How the Type of Soil Affects Plant Growth</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. John Patrick Murnane</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Does Anxiety Affect Test Scores?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Cassius Purdy</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effect of Coin and Die Mass on Their Outcomes</i>	

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### St Paul, Westerville

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Isaac Reash</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>The Effect of Detergents on Grass Growth</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Vincent Carmine Stocco</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Does the Color of a Bell Pepper Affect its Vitamin C Content?</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Colleen Ungurait</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effect of Volume of Egg Mass on the Height of Brownies</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Thomas J Woodruff</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>The Effect of Mass on the Distance a Paper Airplane Travels</i>	

### St Peter, N Ridgeville

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Jacob Uhnak</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Long Live the Sharpie</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Brayden Christopher Van Dyke</b>	Good	
Grade: 7	Project Type: Individual	
Project Title:	<i>Funky Fruit</i>	

### St Raphael, Bay Village

	OAS AWARD	Sponsored Awards -if any
<b>Ms Emma Dando</b>	Superior	134 HM
Grade: 8	Project Type: Individual	
Project Title:	<i>See The Vitamin C</i>	

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### St Raphael, Bay Village

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Mariska Patricia Jeske</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>Magnet Fever</i>		

### St Rose, Perrysburg

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Nina Grace Rando</b>	Excellent	058 3rd    106 3rd
Grade: 8    Project Type: Individual		
Project Title: <i>Which Sugar Does Yeast Prefer?</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Caitlin Marie Shroyer</b>	Excellent	072 HM
Grade: 8    Project Type: Individual		
Project Title: <i>Electrical Resistance in Soil</i>		

### St Sebastian, Akron

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Julia E Rea</b>	Superior	
Grade: 7    Project Type: Individual		
Project Title: <i>Vitamin C: Keeping it Cool</i>		

### St Thomas More, Cincinnati

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Michael Cristobal Esposito</b>	Superior	
Grade: 6    Project Type: Individual		
Project Title: <i>Dating Native American Artifacts</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Delaney Rains</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>An 'Egg'- Cellent Experiment</i>		

### St Vincent de Paul, Mt Vernon

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Amelia Rose O'Meara-Hill</b>	Excellent	139 2nd
Grade: 6    Project Type: Individual		
Project Title: <i>Oil Spills</i>		

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### St Vincent St Mary, Akron

	OAS AWARD	Sponsored Awards -if any
<b>M. Sara Elisabeth Streett</b>	Superior	
Grade: 11    Project Type: Individual		
Project Title: <i>Presence of Phospholipids in Guinea Pig Hair and Their Effects on Physical Properties</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr Jimmy Patrick Warholy</b>	Excellent	
Grade: 12    Project Type: Individual		
Project Title: <i>Effect of Exposure to Environmental Stimuli on Dragline Spider Silk</i>		

### Sts Joseph & John Interparochial, Strongsville

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Charlie Nael Shehadeh</b>	Excellent	
Grade: 7    Project Type: Individual		
Project Title: <i>What type of ground cover can stop erosion the best.</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Madison Marie Stawicki</b>	Excellent	
Grade: 7    Project Type: Team		
Project Title: <i>Rainbow Flame Experiment</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Samantha Kaitlyn Todd</b>	Excellent	
Grade: 7    Project Type: Team		
Project Title: <i>Rainbow Flame Experiment</i>		

### Sylvania Northview HS, Sylvania

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Megan Basrur</b>	Superior	
Grade: 11    Project Type: Individual		
Project Title: <i>The Behavioral Effects of Pentylone on Adult Zebrafish</i>		

### Harold C. Shaw Outstanding School Award

	Sponsored Awards -if any
	011 Alt 1    028 1st    248 1st

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Raymond Flowers</b>	Superior	257 1st
Grade: 11    Project Type: Individual		
Project Title: <i>Building Better Loot Boxes With Cardano</i>		



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### Sylvania Northview HS, Sylvania

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Rayna N Kanjo</b>	Superior	028 2nd
Grade: 11	Project Type: Individual	
Project Title:	<i>The Feelings of People of Color Dealing with Racism at Their School after a Large Social Movement During the Summer of 2020</i>	

### Harold C. Shaw Outstanding School Award

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Dipakshi Pal</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Detection of Reactive Oxygen Species During Photodynamic Therapy</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Maya Leela Sarikonda</b>	Superior	019 SCH
Grade: 12	Project Type: Individual	
Project Title:	<i>The Function of Neurons AVA, RIM, and BAG in Caenorhabditis elegans as a Response to a 1-octanol Aversive Stimulus</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Ivy Rose-Lynn Sheriff</b>	Superior	019 SCH 249 SCH
Grade: 11	Project Type: Individual	
Project Title:	<i>The Effect of Reduced Oxygen Levels on Microbial Respiration at Different Vegetation Dominated Soils</i>	

### Sylvania Southview HS, Sylvania

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lillian Howe</b>	Excellent	
Grade: 12	Project Type: Individual	
Project Title:	<i>The correlation between speed and flexibility</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Emaad Khan</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>Neuroinflammation and Neurodegenerative Diseases</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Mia Katherine Prisby</b>	Superior	028 1st
Grade: 12	Project Type: Individual	
Project Title:	<i>The Effects of Social Media on the Development of Eating Disorders</i>	

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### Terrace Park ES, Terrace Park

<b>Mr. Sam Alter</b> Grade: 6    Project Type: Individual <i>Project Title: Ring Up Your Memory</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 246 1st
<b>Mr. Jackson Bortz-Druffel</b> Grade: 6    Project Type: Individual <i>Project Title: Temperature of NHL Hockey Pucks</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Samuel Walter Brown</b> Grade: 6    Project Type: Individual <i>Project Title: Efficacy of Hand Washing Amongst Various Age Groups</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 246 1st
<b>Mr. Joseph Mitchell Deters</b> Grade: 6    Project Type: Individual <i>Project Title: Ready Set Dry</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Ms. Cecily Kessler</b> Grade: 6    Project Type: Individual <i>Project Title: Clean It Up!</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Davis Maxwell Koehler</b> Grade: 6    Project Type: Individual <i>Project Title: Grass Shooter</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Connor Spencer Sullivan</b> Grade: 6    Project Type: Individual <i>Project Title: Risking It All</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 246 1st

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### The Miami Valley School, Dayton

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Raef Taha</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Analyzing Lung Radiography Images for COVID-19 using Deep Learning</i>	

### The Plains ES, The Plains

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Hanano Austin</b>	Superior	
Grade: 6	Project Type: Individual	
Project Title:	<i>self-rotating solar panel</i>	

### The University School, Chagrin Falls

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Julian Berger</b>	Superior	
Grade: 10	Project Type: Individual	
Project Title:	<i>A Novel Fluorescent Dye Based Method for Detecting Autophagy</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Carlton Gould Cort</b>	Superior	067 2nd
Grade: 12	Project Type: Individual	
Project Title:	<i>Designing and Testing a Prototype Automatic Electronic Control System for Active Magnetic Levitation of a Ferromagnet Toward Magnetically Deflected Ballistic Mass Technology</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Matthew Dennis Devine</b>	Excellent	030 1st 080 2nd
Grade: 10	Project Type: Individual	
Project Title:	<i>Ultraviolet: A Clean Way to Clean Up Invasive Species; Using Ultraviolet Light to Degrade Adhesives Similar to Byssal Thread Adhesives</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Kareem K Fareed</b>	Superior	147 3rd
Grade: 10	Project Type: Individual	
Project Title:	<i>Using a Convolutional NN to Diagnose Parkinson's Disease</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Vishwum Kapadia</b>	Superior	028 1st 148 1st
Grade: 9	Project Type: Individual	
Project Title:	<i>Correlation of Biofeedback Parameters with the Perception of Relaxation</i>	

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### The University School, Chagrin Falls

	OAS AWARD	Sponsored Awards -if any
<b>Mr Alex M Kmetko</b>	Superior	
Grade: 12	Project Type: Individual	
Project Title:	<i>Testing Hexagon Supports on an Airfoil to Make it Lighter</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Daniel Marel Lust</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>Vaporized Perfume Components Damage Plants</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Anand Charles Stephens</b>	Excellent	
Grade: 10	Project Type: Individual	
Project Title:	<i>The Effects Spin Designed Strings Have On Tennis Shots</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Hans Swain</b>	Superior	033 2nd
Grade: 10	Project Type: Individual	
Project Title:	<i>Effect of Excess Dietary Iron on Intestinal Tumorigenesis</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Aaron P Velez</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>The Effects of Ocean Acidification on Bioluminescent Sea Creatures</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Weining Wang</b>	Excellent	019 SCH
Grade: 10	Project Type: Individual	
Project Title:	<i>Investigating hydrogen production enzyme using gaming GPU</i>	

### The University School, Shaker Hts

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Ian C Broihier</b>	Superior	250 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Quantifiable Humanity and Artificial Intelligence in Chess</i>	

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### The University School, Shaker Hts

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Eashan Kosaraju</b>	Superior	145 3rd 148 2nd
Grade: 8	Project Type: Individual	
Project Title:	<i>Impact of Genetic Mutations on Evolution of SARS-CoV-2</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Andrew Malbasa</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Bottled Water: Our Dirty Obsession</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Sahand Maleki</b>	Superior	145 1st
Grade: 8	Project Type: Individual	
Project Title:	<i>Can Freezers and Toasters Pave the Way to a Healthier Body?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. William James Miller</b>	Superior	
Grade: 8	Project Type: Individual	
Project Title:	<i>Plants in a Future World</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Anderson Edward Talley</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>Hot Topic: Putting a Twist on the Heat Shock Method</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Adonis M. Wazni</b>	Excellent	
Grade: 8	Project Type: Individual	
Project Title:	<i>The Ways a Room Influences Safety Against SARS-CoV-2</i>	

### Tippecanoe HS, Tipp City

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Amelia Grace Campbell</b>	Superior	148 1st 238 3rd 249 SCH
Grade: 11	Project Type: Individual	
Project Title:	<i>Pro or No Biotics</i>	

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### Tippecanoe HS, Tipp City

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Sadhil Mehta</b>	Superior	067 2nd
Grade: 9	Project Type: Individual	
Project Title:	<i>Studying Self-Assembling Lichtenburg Patterns Under High Voltage</i>	

### Tippecanoe MS, Tipp City

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Aubrey Ernst</b>	Superior	072 2nd 258 1st
Grade: 6	Project Type: Team	
Project Title:	<i>Determining How Total Dissolved Solids (TDS) Affects Water Taste</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Audrey Jackson</b>	Superior	072 2nd 258 1st
Grade: 6	Project Type: Team	
Project Title:	<i>Determining How Total Dissolved Solids (TDS) Affects Water Taste</i>	

### Toledo Islamic Academy, Sylvania

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Yara Alhajji</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>Can a robotic arm carry weight like a human arm?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Faliha Khan</b>	Superior	
Grade: 8	Project Type: Individual	
Project Title:	<i>Covid-19: Which Mask is More Protective?</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Abdullah Ali Raufi</b>	Excellent	
Grade: 7	Project Type: Individual	
Project Title:	<i>Preventing Moisture Loss</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Hala Hinch</b>	Superior	230 1st 239 SCH
Grade: 8	Project Type: Team	
Project Title:	<i>Soybean Irrigation: Getting to the Root of the Problem</i>	

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### Toledo Islamic Academy, Sylvania

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Jad Hinch</b>	Superior	230 1st 239 SCH
Grade: 8	Project Type: Team	
Project Title:	<i>Soybean Irrigation: Getting to the Root of the Problem</i>	

### Trinity Lutheran, Toledo

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Elijah J Moore</b>	Superior	070 3rd 246 1st
Grade: 6	Project Type: Individual	
Project Title:	<i>Convection Current in a Homemade Lava Lamp</i>	

### Tri-Village HS, New Madison

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Cora Lily Gutierrez</b>	Superior	033 3rd 148 1st 246 1st 250 1st
Grade: 7	Project Type: Individual	
Project Title:	<i>Transporting New Solutions: An Ergonomic Chair Transportation System for School Janitorial Staff</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Brady Dean Beisner</b>	Superior	239 SCH 246 1st 250 1st
Grade: 8	Project Type: Team	
Project Title:	<i>Tachycardia Tunes</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Raiden Alec Quinn</b>	Superior	239 SCH 246 1st 250 1st
Grade: 8	Project Type: Team	
Project Title:	<i>Tachycardia Tunes</i>	

### Upper Arlington HS, Upper Arlington

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Mihai Crisan</b>	Superior	147 1st
Grade: 12	Project Type: Individual	
Project Title:	<i>Development of a Generic Nanophotonic Processor using Programmable Photonic Integrated Circuits (PPICs)</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Leo Joseph Duvarney</b>	Excellent	
Grade: 10	Project Type: Individual	
Project Title:	<i>The correlation between classical music and short term memory</i>	

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### Upper Arlington HS, Upper Arlington

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Max R Hoffman</b>	Superior	238 2nd
Grade: 10	Project Type: Individual	
Project Title:	<i>Antimicrobial properties of lavender, tea tree, and lemongrass essential oils against Staphylococcus epidermidis and Escherichia coli K-12</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Michael Duffie Lindsay</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>The effect of ferrofluid on the load capacity of a magnetically suspended lever</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Ryan Sivakumar</b>	Superior	
Grade: 11	Project Type: Individual	
Project Title:	<i>Repurposing of Disposable Face Masks into Reinforcing Fibers for Epoxy Composites</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Kajal Jayesh Hari</b>	Excellent	
Grade: 11	Project Type: Team	
Project Title:	<i>Changing the Molecular Formula of a Galze</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Elizabeth Liu</b>	Excellent	
Grade: 11	Project Type: Team	
Project Title:	<i>Changing the Molecular Formula of a Galze</i>	

### Upper Valley, Piqua

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Sierra Michelle Henning</b>	Excellent	
Grade: 12	Project Type: Team	
Project Title:	<i>Sleep vs. Functionality</i>	

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. MaKenna Grace Homan</b>	Excellent	
Grade: 12	Project Type: Team	
Project Title:	<i>Sleep vs. Functionality</i>	



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### Upper Valley, Piqua

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Abigail ann Purtee</b>	Excellent	
Grade: 11    Project Type: Team		
Project Title: <i>Does eating breakfast effect athletic performance</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Brylee isabella Yohey</b>	Excellent	
Grade: 11    Project Type: Team		
Project Title: <i>Does eating breakfast effect athletic performance</i>		

### Urbana HS, Urbana

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Lyza Ann Forson</b>	Excellent	080 HM
Grade: 9    Project Type: Individual		
Project Title: <i>The Destructive Powers of Acid Rain</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Samuel Wilhelm</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>Soybeans or Corn? Which Produces More Total Heat Energy?</i>		

### Ursuline, Youngstown

	OAS AWARD	Sponsored Awards -if any
<b>Mr Michael Fangzhou Ge</b>	Superior	080 1st
Grade: 9    Project Type: Individual		
Project Title: <i>Taming Cyanobacteria Blooms by Using Bean Plants</i>		

### Valley Christian School, Youngstown

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Joshua Alexander Lassalle Luckey</b>	Excellent	
Grade: 5    Project Type: Individual		
Project Title: <i>Which Substance melts ice the fastest?</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Makaela Pippins</b>	Good	
Grade: 5    Project Type: Individual		
Project Title: <i>Geode "EGG" speriment</i>		

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### Versailles HS, Versailles

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Ethan Hart Varner</b>	Superior	217 3rd 252 SCH 259 1st
Grade: 12 Project Type: Individual		
Project Title: <i>Electric Avenue</i>		

### West Geauga HS, Chesterland

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms. Emily Taylor Berdis</b>	Excellent	011 Alt 3
Grade: 11 Project Type: Individual		
Project Title: <i>The Discovery of Exoplanets</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Grant Dlugos Congdon</b>	Superior	257 1st 259 1st
Grade: 11 Project Type: Individual		
Project Title: <i>Analyzing electromyography and acceleration data from cervical rotation and flexation to drive an electric wheelchair</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Ryan Thomas McGinnis</b>	Superior	
Grade: 12 Project Type: Individual		
Project Title: <i>Electrolysis of Polylactic Acid (PLA) for Custom Fabrication of Sustainable Electromagnets</i>		

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr Bryn Patterson Morgan</b>	Superior	
Grade: 11 Project Type: Individual		
Project Title: <i>A Modern, Software-Based Approach to Celestial Navigation</i>		

### West Liberty-Salem MS/HS, W Liberty

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Mr. Elliott Jaymes Hager</b>	Superior	
Grade: 12 Project Type: Individual		
Project Title: <i>Real World Application of the Software Development Lifecycle</i>		

### Wheelersburg HS, Wheelersburg

	<b>OAS AWARD</b>	<b>Sponsored Awards -if any</b>
<b>Ms Serena Rani Kataria</b>	Superior	145 3rd
Grade: 12 Project Type: Individual		
Project Title: <i>THE EFFECT OF MINDFUL MEDITATION ON OBJECTIVE AND SUBJECTIVE DISEASE ACTIVITY IN RA PATIENTS</i>		

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### Wheelersburg HS, Wheelersburg

	OAS AWARD	Sponsored Awards -if any
<b>Ms Addison Claire Mullins</b>	Superior	
Grade: 9	Project Type: Individual	
Project Title:	<i>The Effects of Temperature Increase on Chaetomorpha</i>	

### Wheelersburg MS, Wheelersburg

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Ethan Troy Mullins</b>	Superior	239 SCH
Grade: 6	Project Type: Individual	
Project Title:	<i>The Science of Spherification</i>	

### Willard Grizzell MS, Dublin

	OAS AWARD	Sponsored Awards -if any
<b>Mr Alexander Carr</b>	Superior	
Grade: 7	Project Type: Individual	
Project Title:	<i>Bubbles to the Maximum</i>	

### William Mason HS, Mason

	OAS AWARD	Sponsored Awards -if any
<b>Ms Laasya Acharya</b>	Superior	147 1st 182 1st 257 1st
Grade: 9	Project Type: Individual	
Project Title:	<i>Ceres: A Novel Device Utilizing Raspberry Pi &amp; Neural Networks to Detect Crop Diseases Using Imaging</i>	

### Harold C. Shaw Outstanding School Award

	OAS AWARD	Sponsored Awards -if any
<b>Mr. Johan Adam DeMessie</b>	Superior	061 1st 072 1st 080 2nd 086 1st 134 HM
Grade: 11	Project Type: Individual	
Project Title:	<i>Removal of Arsenic(III) and Chromium (VI) from Contaminated Water Using Novel Chitosan Coated Polyamide adsorbent with EDTA regeneration</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Mr Emir Refik Tali</b>	Superior	217 1st 257 1st
Grade: 11	Project Type: Individual	
Project Title:	<i>Investigating Dynamic Charging</i>	

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Srinidhi Valathappan</b>	Superior	
Grade: 10	Project Type: Individual	
Project Title:	<i>Locating Genetic Pathways that Promote Necroptosis and Downregulate TLRs Driving Inflammation in SARS-CoV</i>	

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### William Mason HS, Mason

**Ms Janu Gadthula**

Grade: 11 Project Type: Team

Project Title: *Clean Energy with an Affordable Hydrogen Fuel Cell*

**OAS AWARD**  
Superior

### Harold C. Shaw Outstanding School Award

**Sponsored Awards -if any**

**Ms Tanya Keskar**

Grade: 11 Project Type: Team

Project Title: *Clean Energy with an Affordable Hydrogen Fuel Cell*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

### Woodland ES, Liberty Twp

**Ms. Ava Kidd**

Grade: 5 Project Type: Individual

Project Title: *Baking Soda vs. Baking Powder*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

239 SCH 246 1st

### Worthingway MS, Worthington

**Mr. Collin richard Cooper**

Grade: 8 Project Type: Individual

Project Title: *Are dogs "Born to be Wild"?*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

### Wynford HS, Bucyrus

**Ms Natalie Stover**

Grade: 12 Project Type: Individual

Project Title: *What's Behind the Masks?*

**OAS AWARD**  
Superior

**Sponsored Awards -if any**

### Xenia HS, Xenia

**Mr. Kelan Broderik Cramer**

Grade: 9 Project Type: Individual

Project Title: *Car Hood Speed*

**OAS AWARD**  
Excellent

**Sponsored Awards -if any**

**Ms. Lauren Elizabeth Johnson**

Grade: 9 Project Type: Individual

Project Title: *The Effects of Antacids*

**OAS AWARD**  
Excellent

**Sponsored Awards -if any**

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### Xenia HS, Xenia

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Alisha Joyce Lindsay</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>Toners Affect On The PH of Skin</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Kamy West</b>	Excellent	
Grade: 9    Project Type: Individual		
Project Title: <i>Gum Removal From Hair</i>		

### Zane Trace HS, Chillicothe

	OAS AWARD	Sponsored Awards -if any
<b>Mr Charley Wyatt Clyne</b>	Superior	
Grade: 10    Project Type: Team		
Project Title: <i>STF Armor: Application of Shear Thickening Fluid to Strengthen Woven Fabrics</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr Wyatt Shokan Vick</b>	Superior	
Grade: 10    Project Type: Team		
Project Title: <i>STF Armor: Application of Shear Thickening Fluid to Strengthen Woven Fabrics</i>		

### Zane Trace MS, Chillicothe

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Carlie N Clark</b>	Excellent	
Grade: 8    Project Type: Individual		
Project Title: <i>Get the Benzene Out</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Ms. Taylor Kay Houser</b>	Excellent	
Grade: 6    Project Type: Individual		
Project Title: <i>Stretching for Speed</i>		

	OAS AWARD	Sponsored Awards -if any
<b>Mr Evan Alan Minor</b>	Superior	250 1st
Grade: 8    Project Type: Individual		
Project Title: <i>Magnetic Propulsion</i>		

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### Zane Trace MS, Chillicothe

<b>Ms Allison Payton</b> Grade: 8    Project Type: Individual <i>Project Title: Water Bottle Battle</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 072 1st
<b>Ms. Faith Victoria Proehl</b> Grade: 6    Project Type: Individual <i>Project Title: Egg-Tastic</i>	<b>OAS AWARD</b> Good	<b>Sponsored Awards -if any</b>
<b>Ms. Reese Gracelynn Stiver</b> Grade: 6    Project Type: Individual <i>Project Title: Music Beats</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b> 028 2nd
<b>Ms. Riley Marilynn Stiver</b> Grade: 8    Project Type: Individual <i>Project Title: Eyewitness Reliability</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Mr Robert Alan Whittington</b> Grade: 8    Project Type: Individual <i>Project Title: Roast with Compost</i>	<b>OAS AWARD</b> Superior	<b>Sponsored Awards -if any</b>
<b>Mr. Peyton James Arthurs</b> Grade: 8    Project Type: Team <i>Project Title: Deer Bait</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Ms. Kerrigan Justine Haynes- Hill</b> Grade: 6    Project Type: Team <i>Project Title: Which Nail Polish?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>

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### Zane Trace MS, Chillicothe

<b>Ms. Anna Joyce Helber</b> Grade: 5    Project Type: Team <i>Project Title: Cat Coaching</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 028 2nd
<b>Ms. Lydia Kay Jarrell</b> Grade: 6    Project Type: Team <i>Project Title: Which Nail Polish?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Mr. Conner Fredrick Smith</b> Grade: 8    Project Type: Team <i>Project Title: Deer Bait</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Ms. Karlee Jo Snavelly</b> Grade: 6    Project Type: Team <i>Project Title: Which Nail Polish?</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b>
<b>Ms. Autumn Izumi Vick</b> Grade: 5    Project Type: Team <i>Project Title: Cat Coaching</i>	<b>OAS AWARD</b> Excellent	<b>Sponsored Awards -if any</b> 028 2nd