

## Junior Division Category Winners

Place	Category	First Name	Last Name	School	Project Title
4	Behavioral and Social Sciences	Marc	Graffeo	Christian Brothers	Shapes and Words: How Your Mind Reacts
4	Biochemistry and Cellular and Molecular	Zoe	Curtis	John Curtis Christian	How Much Fat is in the Food You Eat Everyday?
4	Chemistry	Damond	Venible	Lake Forest Elementary Charter School	How Does Temperature Affect Glow Intensity?
4	Electrical and Computer Engineering	Terrance	Crawford	Lake Forest Elementary Charter School	The Strength of an Antenna
4	Energy: Chemical and Physical	Nylah	Quillens	Lake Forest Elementary Charter School	Wind Power
4	Energy: Chemical and Physical	Samuel	Sisk	Christian Brothers	Fruit Juice Dye Sensitized Solar Cells
4	Environmental Engineering (Pollution,	Jaime	Welsh	Lake Forest Elementary Charter School	Edible vs. Plastic
4	Medicine & Health and Microbiology	Amalia	Mendoza	Kenner Discovery Health Sciences Academy	Which Pill Will Dissolve Faster?

Place	Category	First Name	Last Name	School	Project Title
4	Physics and Astronomy	Lia	Anderson	John Curtis Christian	Does the Type of Material Affect Sound Projection
4	Physics and Astronomy	Lamya	Ahmad	John Q. Adams Middle School	Whatever floats your boat!
4	Physics and Astronomy	Layah	Chouest	John Q. Adams Middle School	Stellar Parallax: How does changing location affect the distance or parallax of an object?
4	Plant Sciences	Jude	Duvernay	Kenner Discovery Health Sciences Academy	Burnt to a Crisp?
4	Plant Sciences	Bella	Soto	Atonement Lutheran School	The Effect of Different Types of Fertilizer on Plants

Place	Category	First Name	Last Name	School	Project Title
3	Animal Sciences	Alexis	Alonso	International School of Louisiana - Camp	Day and Night Crickets Chirping
3	Behavioral and Social Sciences	Cheyenne	Johnston	International School of Louisiana - Camp	The Science of Music
3	Biochemistry and Cellular and Molecular	Lilly	Cazabon	Atonement Lutheran School	Does Exercising the Body Help Improve Memory
3	Chemistry	Leah	Trejo	John Curtis Christian	How Blue is Your Sports Drink?
3	Earth and Environmental Sciences	Thomas	Cecola	Christian Brothers	Barriers Against Coastal Erosion
3	Earth and Environmental Sciences	Attica	Scry	International School of Louisiana - Camp	Cleaning with Dirt
3	Electrical and Computer Engineering	Tyler	Sherman	John Curtis Christian	Is a Pencil Going to Act Like a Resistor to Electricity?
3	Energy: Chemical and Physical	Jakob	Wismar	Atonement Lutheran School	The Efficiency of HydroElectric Power versus Wind Power
3	Engineering Mechanics (Mechanical,	Caleb	Harris	Lake Forest Elementary Charter School	Designing a Hovercraft

Place	Category	First Name	Last Name	School	Project Title
3	Environmental Engineering (Pollution,	Christiana	Magee	Lake Forest Elementary Charter School	Red Wiggler Worms
3	Mathematics and Computers and Programming	Brady	Smith	Christian Brothers	What Materials Block WiFi Signals?
3	Medicine & Health and Microbiology	Raymond	Forman	Lake Forest Elementary Charter School	Tear Therapy
3	Physics and Astronomy	Sophie	Brodtnann	Atonement Lutheran School	Having a Ball: The Effect of Differing Air Pressures on a Volleyball
3	Plant Sciences	Michael	Sam-Pang	John Curtis Christian	Can Electricity Give a Seed a Jump Start to Sprout?

Place	Category	First Name	Last Name	School	Project Title
2	Animal Sciences	Grayson	Barron	John Curtis Christian	Which Type of Bait is Best for Fishing: Live or Artificial?
2	Behavioral and Social Sciences	Katelyn	Martin	Lake Forest Elementary Charter School	Afterimages
2	Biochemistry and Cellular and Molecular	Anna	Curtis	John Curtis Christian	What Environmental Factors Speed Up the Ripening of Fruit?
2	Chemistry	Meredith	Galliano	John Curtis Christian	How Can the Marshmallow Be Made Better
2	Earth and Environmental Sciences	Isabella	Pita	John Curtis Christian	Does Point Source (NO3) Pollution Affect Invertebrates?
2	Electrical and Computer Engineering	Andrew	Garcia	John Curtis Christian	How Much Electricity Can a Potato Produce?
2	Energy: Chemical and Physical	Lawrence	Jenkins	Lake Forest Elementary Charter School	The Power of Wind
2	Engineering Mechanics (Mechanical,	Madison	Verbest	John Curtis Christian	Do Shorter Buildings Remain More Stable Than Taller Buildings in an Earthquake?
2	Environmental Engineering (Pollution,	Vivian	Smith	Atonement Lutheran School	Diaper Absorbancy

Place	Category	First Name	Last Name	School	Project Title
2	Mathematics and Computers and Programming	Logan	Millet	Christian Brothers	How Safe Are Your Passwords?
2	Medicine & Health and Microbiology	Mikayla	Smith	Atonement Lutheran School	The Effect of Carbs on Glucose Levels (BG)
2	Physics and Astronomy	Micah	Baamonde	Classical Conversations Kenner Campus	Can the Peak Force of a Ball Impacting the Ground be Predicted?
2	Plant Sciences	Nicholas	Nobile	Christian Brothers	Hydroponics vs. Soil

Place	Category	First Name	Last Name	School	Project Title
1	Animal Sciences	Bryson	White	Benjamin Franklin Elementary	HEADLESS PLANARIA PART TWO
1	Behavioral and Social Sciences	Reagan	Peters-Roussel	Lake Forest Elementary Charter School	Gender and Short Term Memory
1	Biochemistry and Cellular and Molecular	Amire	Carey	International School of Louisiana - Camp	Fermented Milk
1	Chemistry	Stoney	McKnight	Benjamin Franklin Elementary	GRAPE STAINS NO MORE
1	Earth and Environmental Sciences	Alejandro	Bailey	Lake Forest Elementary Charter School	What's Really In Our Water
1	Earth and Environmental Sciences	Nehemiah	Prater	Lake Forest Elementary Charter School	What's Really In Our Water
1	Electrical and Computer Engineering	Ashley	Harris	Lake Forest Elementary Charter School	Solar vs. Standard
1	Energy: Chemical and Physical	Rachel	Pizzolato	John Curtis Christian	Generating Electricity by Harnessing Air That Flows Around a Skyscraper by Using Bernoulli's Principle and the Venturi Effect with Special
1	Engineering Mechanics (Mechanical,	Anthony	Rhodes	Benjamin Franklin Elementary	WITHIN ARMS REACH

Place	Category	First Name	Last Name	School	Project Title
1	Environmental Engineering (Pollution,	Hadil	Qoran	Kenner Discovery Health Sciences Academy	Reducing Air Pollution with a Motion Sensor
1	Mathematics and Computers and Programming	Marcos	Cardona	Kenner Discovery Health Sciences Academy	Studying on the Go While Helping Out Earth
1	Medicine & Health and Microbiology	Liyah	Ernest	Lake Forest Elementary Charter School	Had Your Garlic Shot Yet?
1	Physics and Astronomy	Dylan	Bracey	Christian Brothers	Cleavage: Ulexite vs. Galena
1	Plant Sciences	Emmeline	Meyer	International School of Louisiana - Camp	Do Different Packaging Materials Affect the Time of Fruit Ripening



## Junior Division Special Award Winners

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>American Institute of Aeronautics and Astronautics (AIAA) Greater New Orleans Section</b>						
Energy: Chemical and Physical	3	Lawrence	Jenkins	Lake Forest Elementary Charter School	April Hartman	The Power of Wind
Electrical and Computer Engineering (Robotics, Emb	3	Ashley	Harris	Lake Forest Elementary Charter School	Hartman, April	Solar vs. Standard
Mathematics and Computers and	2	Logan	Millet	Christian Brothers	Constant, Thomas	How Safe Are Your Passwords?
Energy: Chemical and Physical	1	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Generating Electricity by Harnessing Air That Flows Around a Skyscraper by Using Bernoulli's Principle and the Venturi Effect with Special Attention to
<b>American Institute of Chemical Engineers - New Orleans Section</b>						
Energy: Chemical and Physical	1	Julia	LaGrange	International School of Louisiana - Camp	Merlos, Anna	Should Ewe Use Wool?

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>American Psychological Association</b>						
Behavioral and Social Sciences	1	Reagan	Peters-Roussel	Lake Forest Elementary Charter School	Watts, Marla	Gender and Short Term Memory
<b>American Society of Civil Engineers - New Orleans Branch</b>						
Environmental Engineering (Pollution, Recycling, W	3	Christiana	Magee	Lake Forest Elementary Charter School	Watts, Marla	Red Wiggler Worms
Engineering Mechanics (Mechanical, Civil and Trans	2	Christian	Staples	Atonement Lutheran School	Harney, Rachel	The Effect of Steepness on a Marble's Density
Environmental Engineering (Pollution, Recycling, W	1	Hadil	Qoran	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Reducing Air Pollution with a Motion Sensor
<b>American Welding Society - New Orleans Section</b>						
Energy: Chemical and Physical	HM	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Generating Electricity by Harnessing Air That Flows Around a Skyscraper by Using Bernoulli's Principle and the Venturi Effect with Special Attention to
Chemistry	1	Kimberly	Ixtos	Atonement Lutheran School	Harney, Rachel	Which Environments Has the Greatest Effect on Metals

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Association for Women Geoscientists Foundation</b>						
Physics and Astronomy	1	Emma	Marvin	Atonement Lutheran School	Harney, Rachel	The Effect of Size on a Comet's Melting Time

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Broadcom MASTERS</b>						
Animal Sciences	1	Bryson	White	Benjamin Franklin Elementary	Andrea Williams	HEADLESS PLANARIA PART TWO
Biochemistry and Cellular and Molecular Biology	1	Anna	Curtis	John Curtis Christian	Fabacher, Nicole	What Environmental Factors Speed Up the Ripening of Fruit?
Biochemistry and Cellular and Molecular Biology	1	Amire	Carey	International School of Louisiana - Camp	Karen Marshall	Fermented Milk
Behavioral and Social Sciences	1	Katelyn	Martin	Lake Forest Elementary Charter School	Watts, Marla	Afterimages
Behavioral and Social Sciences	1	Reagan	Peters-Roussell	Lake Forest Elementary Charter School	Watts, Marla	Gender and Short Term Memory
Chemistry	1	Meredith	Galliano	John Curtis Christian	Bush, Kathy	How Can the Marshmallow Be Made Better

Category	Place	First Name	Last Name	School	Teacher	Project Title
Chemistry	1	Stoney	McKnight	Benjamin Franklin Elementary	Andrea Williams	GRAPE STAINS NO MORE
Earth and Environmental Sciences	1	Isabella	Pita	John Curtis Christian	boucvalt, cathy	Does Point Source (NO3) Pollution Affect Invertebrates?
Earth and Environmental Sciences	1	Alejandro	Bailey	Lake Forest Elementary Charter School	Hartman, April	What's Really In Our Water
Earth and Environmental Sciences	1	Nehemiah	Prater	Lake Forest Elementary Charter School	Hartman, April	What's Really In Our Water
Energy: Chemical and Physical	1	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Generating Electricity by Harnessing Air That Flows Around a Skyscraper by Using Bernoulli's Principle and the Venturi Effect with Special Attention to
Electrical and Computer Engineering (Robotics, Emb	1	Ashley	Harris	Lake Forest Elementary Charter School	Hartman, April	Solar vs. Standard
Environmental Engineering (Pollution, Recycling, W	1	Hadil	Qoran	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Reducing Air Pollution with a Motion Sensor

Category	Place	First Name	Last Name	School	Teacher	Project Title
Engineering Mechanics (Mechanical, Civil and Trans	1	Madison	Verbest	John Curtis Christian	Bush, Kathy	Do Shorter Buildings Remain More Stable Than Taller Buildings in an Earthquake?
Engineering Mechanics (Mechanical, Civil and Trans	1	Anthony	Rhodes	Benjamin Franklin Elementary	Andrea Williams	WITHIN ARMS REACH
Mathematics and Computers and	1	Marcos	Cardona	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Studying on the Go While Helping Out Earth
Mathematics and Computers and	1	Logan	Millet	Christian Brothers	Constant, Thomas	How Safe Are Your Passwords?
Medicine & Health and Microbiology (including	1	Liyah	Ernest	Lake Forest Elementary Charter School	Watts, Marla	Had Your Garlic Shot Yet?
Medicine & Health and Microbiology (including	1	Mikayla	Smith	Atonement Lutheran School	Harney, Rachel	The Effect of Carbs on Glucose Levels (BG)
Physics and Astronomy	1	Dylan	Bracey	Christian Brothers	Constant, Thomas	Cleavage: Ulexite vs. Galena

Category	Place	First Name	Last Name	School	Teacher	Project Title
Physics and Astronomy	1	Micah	Baamonde	Classical Conversations Kenner Campus	Baamonde, Christine	Can the Peak Force of a Ball Impacting the Ground be Predicted?
Plant Sciences	1	Nicholas	Nobile	Christian Brothers	Constant, Thomas	Hydroponics vs. Soil
Plant Sciences	1	Emmeline	Meyer	International School of Louisiana - Camp	Lilli Thorpe	Do Different Packaging Materials Affect the Time of Fruit Ripening
<b>GENIUS (Global Environmental Issues) Olympiad</b>						
Earth and Environmental Sciences	1	Attica	Scry	International School of Louisiana - Camp	Lilli Thorpe	Cleaning with Dirt

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Gulf Coast Safety and Training Group</b>						
Behavioral and Social Sciences	1	Reagan	Peters-Roussell	Lake Forest Elementary Charter School	Watts, Marla	Gender and Short Term Memory
Behavioral and Social Sciences	1	Marc	Graffeo	Christian Brothers	Constant, Thomas	Shapes and Words: How Your Mind Reacts
Earth and Environmental Sciences	1	Kylee	Olsen	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Are You Secretly Drinking Toxins?
Engineering Mechanics (Mechanical, Civil and Trans	1	Anthony	Rhodes	Benjamin Franklin Elementary	Andrea Williams	WITHIN ARMS REACH
Physics and Astronomy	1	Micah	Baamonde	Classical Conversations Kenner Campus	Baamonde, Christine	Can the Peak Force of a Ball Impacting the Ground be Predicted?



Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>MENSA - (The High IQ Society), N.O. Chapter</b>						
Energy: Chemical and Physical	2	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Generating Electricity by Harnessing Air That Flows Around a Skyscraper by Using Bernoulli's Principle and the Venturi Effect with Special Attention to
Behavioral and Social Sciences	1	Katelyn	Martin	Lake Forest Elementary Charter School	Watts, Marla	Afterimages
<b>NASA EARTH System Science Award</b>						
Physics and Astronomy	1	Dylan	Bracey	Christian Brothers	Constant, Thomas	Cleavage: Ulexite vs. Galena
<b>National Oceanic and Atmospheric Administration (NOAA)</b>						
Earth and Environmental Sciences	1	Zachary	LaBarre	John Curtis Christian	Boucvalt, Cathy	How Does Saltwater Intrusion Affect the LA Coastline and Wetland Grasses.
<b>New Orleans Federal Executive Board</b>						
Energy: Chemical and Physical	1	Lawrence	Jenkins	Lake Forest Elementary Charter School	April Hartman	The Power of Wind

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>New Orleans Geological Society</b>						
Earth and Environmental Sciences	3	Zachary	LaBarre	John Curtis Christian	Boucvalt, Cathy	How Does Saltwater Intrusion Affect the LA Coastline and Wetland Grasses.
Earth and Environmental Sciences	3	Isabella	Pita	John Curtis Christian	boucvalt, cathy	Does Point Source (NO3) Pollution Affect Invertebrates?
Earth and Environmental Sciences	2	Thomas	Cecola	Christian Brothers	Constant, Thomas	Barriers Against Coastal Erosion
Physics and Astronomy	1	Dylan	Bracey	Christian Brothers	Constant, Thomas	Cleavage: Ulexite vs. Galena
<b>New Orleans Section of NACE International</b>						
Chemistry	2	Evan	Weller	International School of Louisiana - Camp	Merlos, Anna	Corrosive Metals
Chemistry	1	Kimberly	Ixtos	Atonement Lutheran School	Harney, Rachel	Which Environments Has the Greatest Effect on Metals

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Pontchartrain Astronomy Society</b>						
Physics and Astronomy	1	Emma	Marvin	Atonement Lutheran School	Harney, Rachel	The Effect of Size on a Comet's Melting Time
<b>Sierra Club, New Orleans Group</b>						
Earth and Environmental Sciences	1	Kylee	Olsen	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Are You Secretly Drinking Toxins?
<b>Society of American Military Engineers (SAME)</b>						
Earth and Environmental Sciences	2	Cole	Landry	John Curtis Christian	Boucvalt, Cathy	Riprap....It's Not Hip Hop..It's Erosion Stop!
Engineering Mechanics (Mechanical, Civil and Trans	1	Zori	Stevens	Lake Forest Elementary Charter School	Hartman, April	Bridges That Sway

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Society of Petroleum Engineers (SPE), Inc. Delta Chapter</b>						
Engineering Mechanics (Mechanical, Civil and Trans	2	Matthew	Pelias	Christian Brothers	Constant, Thomas	Which Popsicle Stick Bridge Design is the Sturdiest?
Earth and Environmental Sciences	1	Thomas	Cecola	Christian Brothers	Constant, Thomas	Barriers Against Coastal Erosion
<b>Structural Engineering Institute of the American Society of Civil Engineers-N.O. Branch</b>						
Engineering Mechanics (Mechanical, Civil and Trans	2	Matthew	Pelias	Christian Brothers	Constant, Thomas	Which Popsicle Stick Bridge Design is the Sturdiest?
Physics and Astronomy	1	Aelia	Aladwan	Islamic School of Greater New Orleans	FATIMAH BABU	Bridges and Gravity
<b>U.S. Department of Agriculture - Agricultural Research Service</b>						
Earth and Environmental Sciences	1	Reese	Wilson	International School of Louisiana - Camp	Merlos, Anna	Rain Rain

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>U.S. Metric Association</b>						
Energy: Chemical and Physical	1	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Generating Electricity by Harnessing Air That Flows Around a Skyscraper by Using Bernoulli's Principle and the Venturi Effect with Special Attention to
<b>U.S. Navy/ U.S. Marine Corps – Office of Naval Research</b>						
Engineering Mechanics (Mechanical, Civil and Trans	1	Anthony	Rhodes	Benjamin Franklin Elementary	Andrea Williams	WITHIN ARMS REACH
Mathematics and Computers and	1	Logan	Millet	Christian Brothers	Constant, Thomas	How Safe Are Your Passwords?
Physics and Astronomy	1	Lamya	Ahmad	John Q. Adams Middle School	Grzych, Melissa	Whatever floats your boat!
Physics and Astronomy	1	Aidan	Schwarz	Christian Brothers	Constant, Thomas	What a Drag
<b>Women for a Better Louisiana</b>						
Earth and Environmental Sciences	1	Isabella	Pita	John Curtis Christian	boucvalt, cathy	Does Point Source (NO3) Pollution Affect Invertebrates?

### **Junior Division Social Media Awards**

Prizes are awarded to Social Media Contest winners with four daily drawings throughout the week and an overall prize in both middle and high school. An additional prize is awarded to a middle school or high school student, not necessarily participating in the GNOSEF. Students participate by using #GNOSEF on Twitter, Facebook or Instagram to upload relevant text, pictures and videos, spreading the word about science!

Two of the GNOSEF daily prizes are awarded to Junior Division participants:  
and the overall Junior Division winner is:

Valentine Clouscard (daily)

International School of Louisiana

Je'Shayla Mathers (daily)

Ben Franklin Elementary

Nehemiah Prater (overall)

Lake Forest Elementary Charter School

### **Core Element Summer Camp Scholarship**

A certificate and a \$350 scholarship for a one week session at their 2017 Summer STEM Camp is awarded to a 6th, 7th, or 8th grade student who has an exceptional project in the area of computers, computer engineering or programming, robotics, or electrical engineering. Camp choices include Coding, Introduction to Robotics, or Advanced Robotics. At the fair, a generous donor was so impressed by one of the projects that an additional scholarship will be awarded.

Logan Millet

Christian Brothers

Anthony Rhodes

Benjamin Franklin Elementary

<b>JUNIOR DIVISION GNOSEF TEACHER/MENTOR AWARD</b>	
<p>This award is presented to teachers who have gone the extra mile to support many students’ successful competition in the Greater New Orleans Science and Engineering Fair.</p> <p>With a tie for 2nd place, the TWO recipients will each receive \$125 ... the recipients are:</p> <p>AND the 1st place winner who will receive \$250 is:</p>	
Kathy Bush (2nd)	John Curtis Christian
Thomas Constant (2nd)	Christian Brothers
Marla Watts (1st)	Lake Forest Elementary Charter School
<b>JUNIOR DIVISION GRAND AWARD WINNERS</b>	
<p>Two Grand Award Winners from the Junior Division are selected from the 1st and 2nd place winners in each category, and each Grand Award Winner receives a \$50 gift card and a plaque from Region IX.</p>	
Logan Millet	Christian Brothers
Rachel Pizzolato	John Curtis Christian

## Senior Division Category Winners

Place	Category	First Name	Last Name	School	Project Title
4	Behavioral and Social Sciences	William	McDade	Benjamin Franklin High School	Effect of frame rates on perception of physical strength
4	Behavioral and Social Sciences	Claire	Min	Haynes Academy for Advanced Studies	Smile: You'll Feel better
4	Biochemistry and Cellular and Molecular	Anneie	To	John Ehret High School	Which Fresh Citrus Fruit Has the Most Vitamin C?
4	Biochemistry and Cellular and Molecular	Grace	McLean	Haynes Academy for Advanced Studies	What causes yeast to be most effective?
4	Biomedical, Health, and Translational	Antonio	Rivera	Holy Cross School	Do swimmers have larger lung capacities than other athletes?
4	Biomedical, Health, and Translational	James	Xiang	Isidore Newman High School	Does Eye Color Determine Athletic Talent?
4	Chemistry	Robbie	Pizzolato, Jr.	John Curtis Christian	Can Essential Oils Remove Stains From White Cloth When Used as a Pre-Treatment?
4	Chemistry	Muntha	Abbas	Haynes Academy for Advanced Studies	Turning Milk into Plastic



Place	Category	First Name	Last Name	School	Project Title
4	Earth and Environmental Sciences	Cebastian	Rubio	John Curtis Christian	Freshwater Diversions
4	Earth and Environmental Sciences	Henry	McCall	Benjamin Franklin High School	How Carbon Dioxide Can Affect Trees
4	Energy: Chemical	Brandon	Lobo	John Ehret High School	The Effect of DC Voltage on the Generation of Hydrogen Gas During Water Electrolysis.
4	Energy: Chemical	Hien	Phan	John Ehret High School	What is the Effect of the Amount of Coins on the Amount of Electricity Produced?
4	Energy: Physical	Abby	Owens	John Curtis Christian	Marble Roller Coasters: Calculating Kinetic Energy.
4	Materials Science	Andrew	Pitari	John Curtis Christian	Does Fire Proofing Industrial Protective Cloth Reduce the Ignitability Time?
4	Materials Science	Hannah	Ivory	John Curtis Christian	Which Type of Treatment Best Reduces Corrosion in Salt Water Environment?
4	Materials Science	Rygle	Lyons	John Curtis Christian	Which Type of Treatment Best Reduces Corrosion in Salt Water Environment?
4	Mathematics and Systems Software	Jesse	Melan	John Curtis Christian	What is the Most Common Random Number?

Place	Category	First Name	Last Name	School	Project Title
4	Mathematics and Systems Software	Zhige Daniel	Wang	Benjamin Franklin High School	A Multi-Linear Regression Model for an Outflow Channel Stage Estimation
4	Microbiology	Kristen	Clement	Patrick F. Taylor Science & Technology Academy	Using a model UTI system, how do the properties of the nutrient media impact the growth curves of E. coli?
4	Microbiology	Jared	Brodtmann	Holy Cross School	Living on a dime: What types of bacteria reside on money
4	Physics and Astronomy	Yeyoung	Cho	John Curtis Christian	Does Refrigeration Improve the Energy of Batteries?
4	Plant Sciences	Corey	Vidrine	John Curtis Christian	Do All Plants Transpire at the Same Rate Under Different Sources of Light?
4	Plant Sciences	Colton	Kendrick	John Curtis Christian	How is Chlorophyll Count Affected by Burned and Unburned Marsh Areas?
4	Plant Sciences	Justin	Unger	John Curtis Christian	How is Chlorophyll Count Affected by Burned and Unburned Marsh Areas?

Place	Category	First Name	Last Name	School	Project Title
3	Animal Sciences	Isabelle	Ordonez	Patrick F. Taylor Science & Technology Academy	How does watershed land use impact the fish community of a coastal plain stream in Natalbany River?
3	Behavioral and Social Sciences	Ben	Zervigon	Benjamin Franklin High School	The Affects of Atonal Ear Training In Relation to the Appreciation and Comprehension of Dodecaphonic (Twelve-Tone) Compositions
3	Biochemistry and Cellular and Molecular	Ilaria	Simeone	Benjamin Franklin High School	The Anti-Aging Effects of Oleuropien on Human Adipose Derived Stem Cells
3	Biomedical, Health, and Translational	Ian	McLachlan	Benjamin Franklin High School	The effect of Salmonella growth conditions on invasion and survival in mouse macrophages
3	Chemistry	Matthew	Manzella	Holy Cross School	What soil types have the most ideal electrical conductivity levels?
3	Earth and Environmental Sciences	Gabrielle	Delahoussaye	Benjamin Franklin High School	Comparative analysis of the biodiversity indexes of plant life in two watershed areas in New Orleans
3	Energy: Chemical	Johnson	Luu	Benjamin Franklin High School	The use of microbial fuel cells varying in salinity to generate electricity
3	Energy: Physical	Keelan	Collins	Benjamin Franklin High School	The Perils of Poop and Pollen: Evaluation of Solar Panel Efficiency with different color roofs and obstruction of cells by debris
3	Engineering Mechanics	Ashton	Austin	John Curtis Christian	The Power of Hydroelectricity.

Place	Category	First Name	Last Name	School	Project Title
3	Engineering Mechanics	Cullen	Johnson	John Curtis Christian	The Power of Hydroelectricity.
3	Engineering Mechanics	Jasmine	King	Haynes Academy for Advanced Studies	Bridge Design and Weight Capacity
3	Environmental Engineering	Isaac	Fincher	John Curtis Christian	Can Concrete Be Greener?
3	Materials Science	Zachary	Jordan	Benjamin Franklin High School	The Effect of Sand Type on Water Absorption
3	Mathematics and Systems Software	Mark	Eyer	Benjamin Franklin High School	Closed-cycle Adaptive Super cooling of high performance computers for server applications
3	Mathematics and Systems Software	Jack	Nusenow	Benjamin Franklin High School	Closed-cycle Adaptive Super cooling of high performance computers for server applications
3	Microbiology	Cade	Blalock	John Curtis Christian	Which Spices Reduce Bacterial Growth
3	Physics and Astronomy	Robert	Schexnayder	Holy Cross School	What types of drumstick produces the highest rebound height?
3	Plant Sciences	Cecilia	Tran	Benjamin Franklin High School	The Effectiveness of Different Natural Fertilizers on Glycine Max

Place	Category	First Name	Last Name	School	Project Title
2	Animal Sciences	Meredith	Perniciaro	John Curtis Christian	Cats vs. Dogs: Going Paw to Paw
2	Behavioral and Social Sciences	Beata	Desselle	Benjamin Franklin High School	Military service and homelessness: Case control study evaluating the association between service in the military and
2	Biochemistry and Cellular and Molecular	Caitlin	McFarland	Benjamin Franklin High School	The Effect of the Various Amounts of Time Spent in Exposure to Ultraviolet Radiation on Cellular Respiration of Yeast Colonies
2	Biomedical, Health, and Translational	Mariza	Francis	Benjamin Franklin High School	Effect of Alcohol and mild traumatic brain injury on rodent hippocampal memory-related proteins
2	Chemistry	Julia	Simon	Lusher Charter School	Determining Enzymatic release of Payloads from HAS
2	Earth and Environmental Sciences	Walker	Meyn	New Orleans Charter Math and Science High School	Shrimp Hatch Rate Dependency on pH Content
2	Embedded Systems and Robotics and	Robert Denton	Young	John Curtis Christian	How to Improve WIFI Signal?
2	Energy: Physical	Jack	Falstad	Benjamin Franklin High School	The effects of a tubercle leading edge on wind mill efficiency.
2	Engineering Mechanics	Ellen	Sedlacek	Benjamin Franklin High School	The Effect of Roof Type on Stability In Hurricane Winds

Place	Category	First Name	Last Name	School	Project Title
2	Environmental Engineering	Joseph	Scarmuzza	Benjamin Franklin High School	Comparing the Effectiveness of Water Types in an Evaporative Cooling Air Conditioner
2	Materials Science	Joseph	Woodward	Benjamin Franklin High School	The effect of different binders on the strength of clay
2	Mathematics and Systems Software	Brenna	Robinson	Benjamin Franklin High School	Relationship between canine weights as adults and puppies
2	Microbiology	Chance	Morris	Benjamin Franklin High School	The Comparative Inhibitory Effects of Varying Concentrations of Garlic on E. coli
2	Physics and Astronomy	Jasmine	Carmon	John Ehret High School	What is the Effect of Temperature on Pressure?
2	Plant Sciences	Kate	Marsh	Benjamin Franklin High School	Correlation in the Rate of Photosynthesis in Plants with Differing Amounts of Chlorophyll and Carotenoids

Place	Category	First Name	Last Name	School	Project Title
1	Animal Sciences	Ella	Murphy	Benjamin Franklin High School	The effects of Rangia Cuneata on turbidity of Lake Pontchartrain
1	Behavioral and Social Sciences	Olivia	Gegenheimer	Patrick F. Taylor Science & Technology Academy	How Does the Content of Hallucinations and Delusions Relate to Crime Offenders with Mental Illnesses?
1	Biochemistry and Cellular and Molecular	Ivy	Do	Benjamin Franklin High School	Chemical Antacids vs. Natural alternatives
1	Biochemistry and Cellular and Molecular	Jose	Gonzalez	Benjamin Franklin High School	Chemical Antacids vs. Natural alternatives
1	Biomedical, Health, and Translational	Bergen	Sanderford	Isidore Newman High School	Modeling Neural Disorder via Involuntary Response Simulator
1	Chemistry	Mason	Varuso	Patrick F. Taylor Science & Technology Academy	Novel Formulation of a Highly Stable Metallic Ink for Printed Electronic Applications
1	Computational Biology, Bioinformatics,	Kaylan	Glover	Lusher Charter School	A Novel Electromagnetic Induction Device with Potential Magnetic Stimulation Applications
1	Earth and Environmental Sciences	Blythe	Broussard	John Curtis Christian	How Do Grass Shrimp Tolerate Point Source Pollution From Used Motor Oil?
1	Embedded Systems and Robotics and	Christian	Barahona	Isidore Newman High School	Motion Sensing Robot

Place	Category	First Name	Last Name	School	Project Title
1	Embedded Systems and Robotics and	Dylon	Hill	Isidore Newman High School	Motion Sensing Robot
1	Energy: Chemical	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	How much electricity is produced per pascal using piezoelectric rochelle salt, and how can this be manipulated?
1	Energy: Chemical	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	How do different materials used as proton exchange membranes affect the efficiency of PEM hydrogen fuel cells?
1	Energy: Physical	Maisie	Baudier	John Curtis Christian	What Type of Reflector on a Solar Powered Desalinization Device Helps Reduce the Most Salinty?
1	Engineering Mechanics	Megan	Kihnel	Haynes Academy for Advanced Studies	Helping the Handicapped become more Handy
1	Environmental Engineering	Freda	Sciarappa	Benjamin Franklin High School	Effects of Forms of Polystyrene on the Growth of Tenebrio Molitor
1	Materials Science	Katherine	Madura	Benjamin Franklin High School	The Effect of Cloth on Ultraviolet Light Protection
1	Mathematics and Systems Software	Srijan	Duggal	Isidore Newman High School	Statistical Analysis Basketball Shots
1	Mathematics and Systems Software	Shuzheng	Zheng	Isidore Newman High School	Statistical Analysis Basketball Shots



Place	Category	First Name	Last Name	School	Project Title
1	Microbiology	Vanessa	Chambers	Benjamin Franklin High School	The Effects of Melaleuca Oil on the Fungi of Human Skin Microbiota
1	Physics and Astronomy	Benjamin	Ryan	Benjamin Franklin High School	Maglev efficiency vs. wheeled car efficiency
1	Plant Sciences	Erin	Yilmaz	Benjamin Franklin High School	The effect of soil volume on Phascolus vulgaris height, mass, and index of leaf area

## Senior Division Special Award Winners

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>American Institute of Aeronautics and Astronautics (AIAA) Greater New Orleans Section</b>						
Energy: Chemical	HM	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How much electricity is produced per pascal using piezoelectric rochelle salt, and how can this be manipulated?
Energy: Physical	HM	Jack	Falstad	Benjamin Franklin High School	Dutta, Pampa	The effects of a tubercle leading edge on wind mill efficiency.
Mathematics and Systems Software	HM	Jesse	Melan	John Curtis Christian	boucvalt, cathy	What is the Most Common Random Number?
Materials Science	HM	Katherine	Madura	Benjamin Franklin High School	Tabony, Michael	The Effect of Cloth on Ultraviolet Light Protection
Energy: Physical	3	Maisie	Baudier	John Curtis Christian	Boucvalt, Cathy	What Type of Reflector on a Solar Powered Desalinization Device Helps Reduce the Most Salinty?
Physics and Astronomy	3	Jasmine	Carmon	John Ehret High School	Bloomens tiel, Don	What is the Effect of Temperature on Pressure?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Energy: Chemical	2	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How do different materials used as proton exchange membranes affect the efficiency of PEM hydrogen fuel cells?
Physics and Astronomy	1	Benjamin	Ryan	Benjamin Franklin High School	Spahn, Sally	Maglev efficiency vs. wheeled car efficiency
<b>American Institute of Chemical Engineers - New Orleans Section</b>						
Energy: Chemical	1	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How much electricity is produced per pascal using piezoelectric rochelle salt, and how can this be manipulated?

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>American Meteorological Society (AMS)</b>						
Earth and Environmental Sciences	1	Cebastian	Rubio	John Curtis Christian	Boucvalt, Cathy	Freshwater Diversions
Environmental Engineering	1	Victoria	Li	Benjamin Franklin High School	Clinicy, Kady	Did Hurricane Katrina Floodwaters Have a Long Term Effect on Road Conditions?
Embedded Systems and Robotics and Intelligent	1	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth Be Used to Determine if Restoration Projects Have Reduced the Amount of Land Loss in Coastal LA
Mathematics and Systems Software	1	Zhige Daniel	Wang	Benjamin Franklin High School	Gussman, Grant	A Multi-Linear Regression Model for an Outflow Channel Stage Estimation

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>American Petroleum Institute (API) Delta Chapter</b>						
Engineering Mechanics	3	Ashton	Austin	John Curtis Christian	Boucvalt, Cathy	The Power of Hydroelectricity.
Engineering Mechanics	3	Cullen	Johnson	John Curtis Christian	Boucvalt, Cathy	The Power of Hydroelectricity.
Energy: Chemical	2	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How much electricity is produced per pascal using piezoelectric rochelle salt, and how can this be manipulated?
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How do different materials used as proton exchange membranes affect the efficiency of PEM hydrogen fuel cells?
<b>American Psychological Association</b>						
Behavioral and Social Sciences	1	Olivia	Gegenheimer	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How Does the Content of Hallucinations and Delusions Relate to Crime Offenders with Mental Illnesses?

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>American Society of Civil Engineers - New Orleans Branch</b>						
Environmental Engineering	3	Victoria	Li	Benjamin Franklin High School	Clincy, Kady	Did Hurricane Katrina Floodwaters Have a Long Term Effect on Road Conditions?
Environmental Engineering	2	Joseph	Scarmuzza	Benjamin Franklin High School	Clincy, Kady	Comparing the Effectiveness of Water Types in an Evaporative Cooling Air Conditioner
Engineering Mechanics	1	Ashton	Austin	John Curtis Christian	Boucvalt, Cathy	The Power of Hydroelectricity.
Engineering Mechanics	1	Cullen	Johnson	John Curtis Christian	Boucvalt, Cathy	The Power of Hydroelectricity.
<b>American Welding Society - New Orleans Section</b>						
Physics and Astronomy	1	Torin	Stipe	John Curtis Christian	boucvalt, cathy	Which of the Three Metals Have the Best Conductors and Resistance Quality? Copper, Aluminum or Steel?
<b>Association for Women Geoscientists Foundation</b>						
Embedded Systems and Robotics and Intelligent	1	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth Be Used to Determine if Restoration Projects Have Reduced the Amount of Land Loss in Coastal LA

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>ASU Rob and Melani Walton Sustainability Solutions Initiatives</b>						
Computational Biology, Bioinformatics, and Biomed	1	Kaylan	Glover	Lusher Charter School	Stephen Collins	A Novel Electromagnetic Induction Device with Potential Magnetic Stimulation Applications
Chemistry	1	Briana	Strider	John Curtis Christian	Boucvalt, Cathy	Will Changing the Amount of Ingredients Affect the "Fizziness" of Bath Balls?
<b>Biophysical Society Award</b>						
Biomedical, Health, and Translational Medical Scie	1	Bergen	Sanderford	Isidore Newman High School	Jones, Matthew	Modeling Neural Disorder via Involuntary Response Simulator
<b>Bruce J. Heim Foundation</b>						
Biomedical, Health, and Translational Medical Scie	1	Bergen	Sanderford	Isidore Newman High School	Jones, Matthew	Modeling Neural Disorder via Involuntary Response Simulator
<b>Dr. Richard Bagnetto Memorial Award</b>						
Chemistry	1	Julia	Simon	Lusher Charter School	Stephen Collins	Determining Enzymatic release of Payloads from HAS

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Dr. William Bagnetto Memorial Award</b>						
Biochemistry and Cellular and Molecular Biology	1	Keenan	Hurst	John Curtis Christian	Boucvalt, Cathy	Chromosome Instability: HeLa vs. Normal Cells
<b>GENIUS (Global Environmental Issues) Olympiad</b>						
Earth and Environmental Sciences	1	Blythe	Broussard	John Curtis Christian	Boucvalt, Cathy	How Do Grass Shrimp Tolerate Point Source Pollution From Used Motor Oil?
Environmental Engineering	1	Freda	Sciarappa	Benjamin Franklin High School	Moorhead, Nick	Effects of Forms of Polystyrene on the Growth of Tenebrio Molitor
<b>Gulf Coast Safety and Training Group</b>						
Chemistry	1	Garret	Wallow	John Curtis Christian	Boucvalt, Cathy	How Safe is the Water You Drink?
Engineering Mechanics	1	Megan	Kihnel	Haynes Academy for Advanced Studies	Prentice, David	Helping the Handicapped become more Handy
Materials Science	1	Andrew	Pitari	John Curtis Christian	boucvalt, cathy	Does Fire Proofing Industrial Protective Cloth Reduce the Ignitability Time?



Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Intel Excellence in Computer Science</b>						
Mathematics and Systems Software	1	Mark	Eyer	Benjamin Franklin High School	Clincy, Kady	Closed-cycle Adaptive Super cooling of high performance computers for server applications
Mathematics and Systems Software	1	Jack	Nusenow	Benjamin Franklin High School	Clincy, Kady	Closed-cycle Adaptive Super cooling of high performance computers for server applications
<b>Iota Sigma Pi, National Honor Society for Women in Chemistry (Local Chapter)</b>						
Chemistry	1	Sammy	Nguyen	John Ehret High School	Bloomens tiel, Don	The Effect of Temperature on the Amount of Gas Produced by a Seltzer Tablet
<b>M. S. Benbow &amp; Associates</b>						
Embedded Systems and Robotics and Intelligent	2	Robert Denton	Young	John Curtis Christian	Boucvalt, Cathy	How to Improve WIFI Signal?
Embedded Systems and Robotics and Intelligent	1	Christian	Barahona	Isidore Newman High School	Jones, Matthew	Motion Sensing Robot
Embedded Systems and Robotics and Intelligent	1	Dylon	Hill	Isidore Newman High School	Jones, Matthew	Motion Sensing Robot

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>MENSA - (The High IQ Society), N.O. Chapter</b>						
Mathematics and Systems Software	2	Mark	Eyer	Benjamin Franklin High School	Clincy, Kady	Closed-cycle Adaptive Super cooling of high performance computers for server applications
Mathematics and Systems Software	2	Jack	Nusenow	Benjamin Franklin High School	Clincy, Kady	Closed-cycle Adaptive Super cooling of high performance computers for server applications
Energy: Physical	1	Jack	Falstad	Benjamin Franklin High School	Dutta, Pampa	The effects of a tubercle leading edge on wind mill efficiency.
<b>Mu Alpha Theta</b>						
Mathematics and Systems Software	1	Srijan	Duggal	Isidore Newman High School	Jones, Matthew	Statistical Analysis Basketball Shots
Mathematics and Systems Software	1	Shuzheng	Zheng	Isidore Newman High School	Jones, Matthew	Statistical Analysis Basketball Shots
<b>NASA EARTH System Science Award</b>						
Materials Science	1	Zachary	Jordan	Benjamin Franklin High School	Tabony, Michael	The Effect of Sand Type on Water Absorption

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>National Oceanic and Atmospheric Administration (NOAA)</b>						
Earth and Environmental Sciences	1	Shelby	Sundmaker	Benjamin Franklin High School	Clincy, Kady	The Effect of Low/High Salinity on Marsh Land Loss
<b>New Orleans Federal Executive Board</b>						
Energy: Physical	1	Jack	Falstad	Benjamin Franklin High School	Dutta, Pampa	The effects of a tubercle leading edge on wind mill efficiency.
<b>New Orleans Geological Society</b>						
Embedded Systems and Robotics and Intelligent	3	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth Be Used to Determine if Restoration Projects Have Reduced the Amount of Land Loss in Coastal LA
Earth and Environmental Sciences	2	Cebastian	Rubio	John Curtis Christian	Boucvalt, Cathy	Freshwater Diversions
Earth and Environmental Sciences	1	Blythe	Broussard	John Curtis Christian	Boucvalt, Cathy	How Do Grass Shrimp Tolerate Point Source Pollution From Used Motor Oil?

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>New Orleans Section of NACE International</b>						
Materials Science	2	Hannah	Ivory	John Curtis Christian	boucvalt, cathy	Which Type of Treatment Best Reduces Corrosion in Salt Water Environment?
Materials Science	2	Rygle	Lyons	John Curtis Christian	boucvalt, cathy	Which Type of Treatment Best Reduces Corrosion in Salt Water Environment?
Materials Science	1	Vy	Nguyen	John Ehret High School	Bloomens tiel, Don	How pH Levels Affect the Rate of Corrosion?

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Regeneron Science Talent Search</b>						
Biochemistry and Cellular and Molecular Biology	1	Ivy	Do	Benjamin Franklin High School	Tabony, Michael	Chemical Antacids vs. Natural alternatives
Biochemistry and Cellular and Molecular Biology	1	Jose	Gonzalez	Benjamin Franklin High School	Tabony, Michael	Chemical Antacids vs. Natural alternatives
Behavioral and Social Sciences	1	Beata	Desselle	Benjamin Franklin High School	Spahn, Sally	Military service and homelessness: Case control study evaluating the association between service in the military and homelessness in Louisiana.
Computational Biology, Bioinformatics, and Biomed	1	Kaylan	Glover	Lusher Charter School	Stephen Collins	A Novel Electromagnetic Induction Device with Potential Magnetic Stimulation Applications
Chemistry	1	Julia	Simon	Lusher Charter School	Stephen Collins	Determining Enzymatic release of Payloads from HAS
Energy: Physical	1	Maisie	Baudier	John Curtis Christian	Boucvalt, Cathy	What Type of Reflector on a Solar Powered Desalinization Device Helps Reduce the Most Salinty?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Environmental Engineering	1	Joseph	Scarmuzza	Benjamin Franklin High School	Clincoy, Kady	Comparing the Effectiveness of Water Types in an Evaporative Cooling Air Conditioner
Environmental Engineering	1	Freda	Sciarappa	Benjamin Franklin High School	Moorhead, Nick	Effects of Forms of Polystyrene on the Growth of Tenebrio Molitor
Materials Science	1	Katherine	Madura	Benjamin Franklin High School	Tabony, Michael	The Effect of Cloth on Ultraviolet Light Protection
Microbiology	1	Vanessa	Chambers	Benjamin Franklin High School	Tabony, Michael	The Effects of Melaleuca Oil on the Fungi of Human Skin Microbiota
Microbiology	1	Chance	Morris	Benjamin Franklin High School	Burchette, Teresa	The Comparative Inhibitory Effects of Varying Concentrations of Garlic on E. coli
Physics and Astronomy	1	Benjamin	Ryan	Benjamin Franklin High School	Spahn, Sally	Maglev efficiency vs. wheeled car efficiency
Plant Sciences	1	Erin	Yilmaz	Benjamin Franklin High School	Spahn, Sally	The effect of soil volume on Phascolus vulgaris height, mass, and index of leaf area

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Ricoh Americas Corporation</b>						
Engineering Mechanics	1	Ellen	Sedlacek	Benjamin Franklin High School	Gussman, Grant	The Effect of Roof Type on Stability In Hurricane Winds
<b>Sierra Club, New Orleans Group</b>						
Earth and Environmental Sciences	1	Laura	McAbee	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Effects of Pollution
Earth and Environmental Sciences	1	Samantha	Murillo	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Effects of Pollution
Earth and Environmental Sciences	1	Alexys	Suarez	Kenner Discovery Health Sciences Academy	Kristin Robertson Oliveri	Effects of Pollution
Earth and Environmental Sciences	1	Walker	Meyn	New Orleans Charter Math and Science High School	Samuel Loftus	Shrimp Hatch Rate Dependency on pH Content

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Society for In Vitro Biology</b>						
Biochemistry and Cellular and Molecular Biology	1	Caitlin	McFarland	Benjamin Franklin High School	Gussman, Grant	The Effect of the Various Amounts of Time Spent in Exposure to Ultraviolet Radiation on Cellular Respiration of Yeast Colonies
Microbiology	1	Cade	Blalock	John Curtis Christian	boucvalt, cathy	Which Spices Reduce Bacterial Growth
<b>Society of American Military Engineers (SAME)</b>						
Mathematics and Systems Software	2	Zhige Daniel	Wang	Benjamin Franklin High School	Gussman, Grant	A Multi-Linear Regression Model for an Outflow Channel Stage Estimation
Engineering Mechanics	1	Ashton	Austin	John Curtis Christian	Boucvalt, Cathy	The Power of Hydroelectricity.
Engineering Mechanics	1	Cullen	Johnson	John Curtis Christian	Boucvalt, Cathy	The Power of Hydroelectricity.



Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Stockholm Junior Water Prize</b>						
Chemistry	1	Garret	Wallow	John Curtis Christian	Boucvalt, Cathy	How Safe is the Water You Drink?
Earth and Environmental Sciences	1	Cebastian	Rubio	John Curtis Christian	Boucvalt, Cathy	Freshwater Diversions
Environmental Engineering	1	Victoria	Li	Benjamin Franklin High School	Clinicy, Kady	Did Hurricane Katrina Floodwaters Have a Long Term Effect on Road Conditions?
Environmental Engineering	1	Joseph	Scarmuzza	Benjamin Franklin High School	Clinicy, Kady	Comparing the Effectiveness of Water Types in an Evaporative Cooling Air Conditioner
Embedded Systems and Robotics and Intelligent	1	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth Be Used to Determine if Restoration Projects Have Reduced the Amount of Land Loss in Coastal LA
Mathematics and Systems Software	1	Zhige Daniel	Wang	Benjamin Franklin High School	Gussman, Grant	A Multi-Linear Regression Model for an Outflow Channel Stage Estimation

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Structural Engineering Institute of the American Society of Civil Engineers-N.O. Branch</b>						
Engineering Mechanics	2	Jasmine	King	Haynes Academy for Advanced Studies	Prentice, David	Bridge Design and Weight Capacity
Engineering Mechanics	1	Ellen	Sedlacek	Benjamin Franklin High School	Gussman, Grant	The Effect of Roof Type on Stability In Hurricane Winds
<b>U.S. Air Force</b>						
Biomedical, Health, and Translational Medical Scie	1	Bergen	Sanderford	Isidore Newman High School	Jones, Matthew	Modeling Neural Disorder via Involuntary Response Simulator
Chemistry	1	Mason	Varuso	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Novel Formulation of a Highly Stable Metallic Ink for Printed Electronic Applications
Mathematics and Systems Software	1	Srijan	Duggal	Isidore Newman High School	Jones, Matthew	Statistical Analysis Basketball Shots
Mathematics and Systems Software	1	Shuzheng	Zheng	Isidore Newman High School	Jones, Matthew	Statistical Analysis Basketball Shots

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>U.S. Department of Agriculture - Agricultural Research Service</b>						
Microbiology	1	Cade	Blalock	John Curtis Christian	boucvalt, cathy	Which Spices Reduce Bacterial Growth
<b>U.S. Metric Association</b>						
Energy: Chemical	1	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How much electricity is produced per pascal using piezoelectric rochelle salt, and how can this be manipulated?
<b>U.S. Navy/ U.S. Marine Corps – Office of Naval Research</b>						
Biomedical, Health, and Translational Medical Scie	1	Bergen	Sanderford	Isidore Newman High School	Jones, Matthew	Modeling Neural Disorder via Involuntary Response Simulator
Chemistry	1	Mason	Varuso	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Novel Formulation of a Highly Stable Metallic Ink for Printed Electronic Applications
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How do different materials used as proton exchange membranes affect the efficiency of PEM hydrogen fuel cells?
Energy: Physical	1	Jack	Falstad	Benjamin Franklin High School	Dutta, Pampa	The effects of a tubercle leading edge on wind mill efficiency.

Category	Place	First Name	Last Name	School	Teacher	Project Title
<b>Women for a Better Louisiana</b>						
Environmental Engineering	1	Zachary	Englander	John Curtis Christian	boucvalt, cathy	By Working With Manmade and Natural Barriers, LA Coastlines Can Be Saved.
<b>Yale Science &amp; Engineering Association, Inc.</b>						
Energy: Physical	1	Maisie	Baudier	John Curtis Christian	Boucvalt, Cathy	What Type of Reflector on a Solar Powered Desalinization Device Helps Reduce the Most Salinty?
Physics and Astronomy	1	Benjamin	Ryan	Benjamin Franklin High School	Spahn, Sally	Maglev efficiency vs. wheeled car efficiency

<b>University of New Orleans WISE STEM Grant</b>	
2017-2018 needs-based tuition grants of up to \$5,000 offered to graduating seniors planning to enroll at UNO in a STEM field. Student must meet UNO admissions requirements as well as the WISE (Workforce and Innovation for a Stronger Economy) grant requirements. Contact UNO admissions for more details.	
<b>ASM International Foundation Award (all-expense-paid trip!)</b>	
American Society for Materials International Foundation will recognize the most outstanding 10th or 11th Grade High School (students going into 11th or 12th grade) exhibits in materials engineering science. First Place student winner is awarded a certificate, medallion, and all-expense-paid trip to a one-week materials camp in Ohio July 9-15, 2017. 2nd place winner is recognized and is an alternate should the first place winner not be able to attend the materials camp.	
(2nd) Joseph Woodward	Benjamin Franklin High School
(1st) Katherine Madura	Benjamin Franklin High School
<b>I-SWEEEP - Outstanding Sustainability Award (partial-expense-paid trip!)</b>	
The International Sustainable World (Energy, Engineering, & Environment) Project Olympiad recognition is awarded to the top high school project selected in the categories of Energy, Engineering, or Environment whose display shows outstanding work in the theme of environmental sustainability and innovation. The student and supervisor teacher (or parent ) will have the opportunity to attend I-SWEEEP in Houston, TX on May 3-8, 2017, with hotel accommodation, all breakfasts and pre-arranged luncheons, and local transportation. Transportation to and from Houston is the responsibility of the winner.	
A 2nd place winner is recognized and is an alternate should the 1st place winner not be able to attend.	
(2nd) Keelan Colins	Benjamin Franklin High School
(1st) Alexander Walker	Patrick F. Taylor Science & Technology Academy

### Social Media Awards

Prizes (valued at > \$50 each) are awarded to a Social Media Contest winners in both middle and high school. A second prize (valued at \$25) is awarded to a person, not necessarily presenting in the GNOSEF. Students participate by using the hashtag #GNOSEF on Twitter, Facebook or Instagram to upload relevant text, pictures and videos. Winners are selected at random.

Two of the GNOSEF daily prizes are awarded to Senior Division participants:  
the prize for a participant not presenting in the GNOSEF goes to:  
and the overall Senior Division winner is:

Jenny Tran (daily)

John Ehret High School

Claire Min (daily)

Haynes Academy for Advanced Studies

Christine Smith Pernicario (non presenting)

John Curtis Christian

Hannah Ivory (overall)

John Curtis Christian

### LAGNIAPPE AWARD

Inspired by the movie HIDDEN FIGURES, an anonymous donor wished to share her enthusiasm by presenting a Movie Gift Card for 4 to a deserving student. This award goes to:

Blythe Broussard

John Curtis Christian School

<b>PATRICK F TAYLOR SCHOOL AWARDS</b>
These materials and/or field trip grants are presented to participating high schools which have a minimum of 10 projects competing in the senior division. These awards are given to recognize successful participation in the GNOSEF and are to be used to promote interest in upper level math and science courses.
Benjamin Franklin High School
Haynes Academy for Advanced Studies
Holy Cross School
John Curtis Christian
John Ehret High School
<b>Tulane University School of Science and Engineering - Tulane Science Scholars Program (TSSP)</b>
The TSSP with financial support from the Bruce J. Heim Foundation will give a certificate and a full scholarship worth \$1500 for a summer for-credit course to a 10th or 11th grade student who has an exceptional project in an area of science or engineering. The TSSP is a selective program for rising juniors or seniors who have exceptional talent in the sciences, engineering, and mathematics. A second place winner is recognized and is an alternate should the first place winner not be able to attend.
(2nd) Chance Morris
(1st) Maisie Baudier

### **Neuroscience/Machine Learnings Scholarship Award**

The H. Britton Sanderford Neuroscience/Machine Learning Project Award recognizes excellent work in the field of neuroscience, the study of the molecular, cellular, developmental, structural, functional, evolutionary, computational, and medical aspects of the nervous system, and the field of machine learnings, a subfield of computer science and artificial intelligence that deals with the construction and study of systems that can learn from data, rather than follow only explicitly programmed instructions. ONE senior division winner will be presented with a \$2,000 college scholarship upon presentation of an acceptance letter into a college of their choice. This year, we have an individual and a team project tying for runner-up so 3 students will be presented with a \$1,000 college scholarship .

(2nd) Claire Borges

Benjamin Franklin High School

(2nd) Zheng Shuzheng and Srijan Duggal

Isidore Newman High School

(1st) Mariza Francis

Benjamin Franklin High School

### **James de la Houssaye Mentor Award**

Sponsored by Mr. H. Britton Sanderford, this award recognizes a high school mentor for their educational and inspirational work with students pursuing STEM inquiry. ONE winner will be selected for the top honor, which includes a \$5,000 cash award. This year, we have a tie for runner-up, so two mentos will each receive a \$2,000 cash award.

(Runner-up) Amanda Godshaw

Patrick F. Taylor Science & Technology Academy

(Runner-up) Matt Jones

Isidore Newman High School

(1st) Cathy Boucvalt

John Curtis Christian School



### SENIOR DIVISION GRAND AWARD WINNERS

Four Grand Award Winners in the senior division are selected from 1st & 2nd place winners in each category and represent Region 9 in the International Science and Engineering Fair (ISEF). Transportation and living expenses are provided for them and for 2 teachers selected by the Grand Award Judging Panel.

Each Grand Award Winner receives a plaque from Region IX. Additionally, all four grand award winners in the senior division receive a \$1,000 scholarship from the Patrick F. Taylor Foundation upon presentation of an acceptance letter into a college of their choice.

Bergen Sanderford

Isidore Newman High School (teacher: Matt Jones)

Mason Varuso

Patrick F. Taylor Science & Technology Academy (teacher: Amanda Godshaw)

Shuzheng Zheng

Isidore Newman High School (teacher: Matt Jones)

Srijan Duggal

Isidore Newman High School (teacher: Matt Jones)

### The 2 teachers selected by the Grand Award Judging Panel to attend ISEF are:

Matt Jones

Isidore Newman High School

Amanda Godshaw

Patrick F. Taylor Science & Technology Academy