

Junior Division Category Winners

Place	Category	First Name	Last Name	School	Project Title
4	Animal Sciences	Isabella Rose	Smith	Atonement Lutheran School	Do Dogs Have a Dominant Paw?
4	Animal Sciences	Sofia	Olexia-Daigle	International School of Louisiana - Camp	Testing the 5 Second Rule
4	Behavioral and Social Sciences	Emmeline	Meyer	International School of Louisiana - Camp	How Effectively Different Chemical Solutions Remove Skunk Odor
4	Behavioral and Social Sciences	Robert	Nogueira	International School of Louisiana - Camp	Video Games and Blood Pressure
4	Biochemistry and Cellular and Molecular	Zoe	Carter	International School of Louisiana - Camp	Bacteria! Bathroom vs. Kitchen
4	Biochemistry and Cellular and Molecular	Veda	Himel	International School of Louisiana - Camp	Gas to the Future
4	Chemistry	Gregory	Tarvella II	John Curtis Christian	A Metal's Resistance to Corrosion.
4	Chemistry	Paris	McKenzie	Lake Forest Elementary Charter School	Supercooling Water

Place	Category	First Name	Last Name	School	Project Title
4	Earth and Environmental Sciences	Paris	Carney	Benjamin Franklin Elementary	HOW DO SEDIMENT LAYERS FORM?
4	Earth and Environmental Sciences	Julia	LaGrange	International School of Louisiana - Camp	Grass is Greener
4	Earth and Environmental Sciences	Katia	Lopez	International School of Louisiana - Camp	Homemade vs Store Bought
4	Earth and Environmental Sciences	Madison	Verbest	John Curtis Christian	The Dirt on Soil. Does Soil Type Affect Building Stability During an Earthquake?
4	Electrical and Computer Engineering	Caleb	Hughes	Benjamin Franklin Elementary	HAND HELD TRAFFIC LIGHTS
4	Energy: Chemical and Physical	Rachel	Fath	Atonement Lutheran School	Accleration: Gravity vs. Magnet
4	Energy: Chemical and Physical	Evan	Weller	International School of Louisiana - Camp	Angle of Wind Determining Best Power Generation
4	Engineering Mechanics (Mechanical,	Oscar	Foster	International School of Louisiana - Camp	How to Produce Energy Coat Efficiently
4	Engineering Mechanics (Mechanical,	Angela	Tran	Lake Forest Elementary Charter School	Fire at will

Place	Category	First Name	Last Name	School	Project Title
4	Environmental Engineering (Pollution,	Dua	Cheema	Kenner Discovery Health Sciences Academy	The Mosquito Catcher
4	Environmental Engineering (Pollution,	Rhiannon	Konen	Kenner Discovery Health Sciences Academy	What Homemade Water Filter is the best at Filtering Sand from Water?
4	Medicine & Health and Microbiology	Landyn	Campiso	Holy Cross School	Mold: Which bread is the better host?
4	Medicine & Health and Microbiology	Sophia	Miller	John Curtis Christian	Are Dactylograms an Inherited Trait?
4	Physics and Astronomy	Alex	Sommer	Holy Cross School	How does temperature affect Magnetic force?
4	Physics and Astronomy	Aaron	Rodriguez	John Curtis Christian	How Will Submarines Dive and Surface by Changing Their Buoyancy in the Water?
4	Physics and Astronomy	Jarius	Gipson	Lake Forest Elementary Charter School	Soundproofing
4	Plant Sciences	Isabella	Soto	Atonement Lutheran School	The Effect of Different Soils on Plants

Place	Category	First Name	Last Name	School	Project Title
3	Animal Sciences	Sophie	Stopak	International School of Louisiana - Camp	To Bee or not to Bee
3	Behavioral and Social Sciences	Opal	Hearst	Homeschooling Heroes	Impressions and Influence
3	Biochemistry and Cellular and Molecular	Jack	Luketich	Atonement Lutheran School	Can You Magnify a Paramecium With a DIY Microscope?
3	Chemistry	Kyla	Moore	Benjamin Franklin Elementary	pH WATER TESTING
3	Earth and Environmental Sciences	Angelique	Harris	Lake Forest Elementary Charter School	Filter it out
3	Electrical and Computer Engineering	Terrence	Crawford	Lake Forest Elementary Charter School	Homemade vs. Store Brought Battery Pack
3	Energy: Chemical and Physical	Gabrielle	Jacques	International School of Louisiana - Camp	Heavy Spring
3	Engineering Mechanics (Mechanical,	Norman	Hughes	International School of Louisiana - Camp	You Want some Kool-aid?
3	Environmental Engineering (Pollution,	Shelby	Bennette	Lake Forest Elementary Charter School	Flooding Reduction

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3	Mathematics and Computers and Programming	Bryce	Godfrey	John Curtis Christian	How Much DNA Can Your Pack Into a Cell?
3	Medicine & Health and Microbiology	Christiana	Magee	Lake Forest Elementary Charter School	Acid Rain vs. Natural Antibiotics
3	Physics and Astronomy	Sophia	Holloway	Lake Forest Elementary Charter School	Hair Hygrometer
3	Plant Sciences	Elizabeth	Majoria	John Curtis Christian	Can Grey Water Be Used to Grow Plants?

Place	Category	First Name	Last Name	School	Project Title
2	Animal Sciences	Katelyn	Martin	Lake Forest Elementary Charter School	Is Green Really Green
2	Behavioral and Social Sciences	Reagan	Peters-Roussel	Lake Forest Elementary Charter School	Hearing Sensory Threshold
2	Biochemistry and Cellular and Molecular	Chaz	Exposito	Atonement Lutheran School	Does Changing the Type of Bread Effect the Rate of It's Mold Growth
2	Chemistry	Lilly	Cazabon	Atonement Lutheran School	The Effect of Synthetic vs. Natural Materials on Preventing Stains
2	Earth and Environmental Sciences	Keyuo	Craver	Lake Forest Elementary Charter School	Which kills mold faster: Chemical or natural cleaners?
2	Electrical and Computer Engineering	Jason	Decuir	Lake Forest Elementary Charter School	How does light affect bristelbots?
2	Energy: Chemical and Physical	Kristian	Prevost	International School of Louisiana - Camp	How Does Wind Speed Affect Storm Surge?
2	Engineering Mechanics (Mechanical,	Jacklyn	Leo	International School of Louisiana - Camp	Concussion Conundrum
2	Mathematics and Computers and Programming	Timothy	Englander	John Curtis Christian	Bump! Obstacle Avoiding Robot

Place	Category	First Name	Last Name	School	Project Title
2	Medicine & Health and Microbiology	Zoe	Bell	Lake Forest Elementary Charter School	Does the position in the refrigerator affect the rate of spoilage in foods?
2	Physics and Astronomy	Jonas	Baamonde	Classical Conversations Kenner Campus	Does the Type of Wood Affect the Depth a Nail is Driven by a Single Hammer Strike?
2	Plant Sciences	Michael	Sam-Pang	John Curtis Christian	Can "Stimulation" Help a Nation Feed the Population?

Place	Category	First Name	Last Name	School	Project Title
1	Animal Sciences	Benjamin	Taravella	John Curtis Christian	What is the Conduction Velocity of an Earthworm's Neurons?
1	Behavioral and Social Sciences	Jeremiah	Lomax	Lake Forest Elementary Charter School	Does Age Affect A Person's Perception of Time?
1	Biochemistry and Cellular and Molecular	Kennedi	Thomas	John Curtis Christian	How Does Food Wrapping Affect the Spoilage of the Apple?
1	Chemistry	Camryn	Wisler	John Curtis Christian	Does the Type of Fabric Affect the Brightness of the Blue Dye?
1	Earth and Environmental Sciences	Ayah	Ghanem	Kenner Discovery Health Sciences Academy	How Do Ozone Gases Affect Human Air Quality?
1	Electrical and Computer Engineering	Grayson	Barron	John Curtis Christian	Recycling For Energy
1	Energy: Chemical and Physical	Rachel	Pizzolato	John Curtis Christian	Improving 3-D Printed Turbine Efficiency by Exploiting the "Lotus Effect" Through the Application of Silicon Nanoparticles and Varying
1	Engineering Mechanics (Mechanical,	Enrico	Tapia	John Curtis Christian	How Much Force Does it Take to Hammer a Nail into Different Types of Wood?
1	Environmental Engineering (Pollution,	Vivian	Smith	Atonement Lutheran School	"I" or "T" Which Should it be?

Place	Category	First Name	Last Name	School	Project Title
1	Environmental Engineering (Pollution,	Mai	Burrell	Lake Forest Elementary Charter School	Slurry Machine
1	Mathematics and Computers and Programming	Aidan	Couvillon	Christian Brothers	Soccer Physics
1	Medicine & Health and Microbiology	Liyah	Ernest	Lake Forest Elementary Charter School	Can herbs reduce bacteria growth?
1	Physics and Astronomy	Hannah	Jacobs	Lake Forest Elementary Charter School	Does the shape of a coronal mass ejection affect how quickly it reaches the earth?
1	Plant Sciences	Lauren	Ejiaga	Lake Forest Elementary Charter School	Saltwater Intrusion: How does it affect our Ecosystem?

Junior Division Special Award Winners

Category	Place	First Name	Last Name	School	Teacher	Project Title
American Institute of Aeronautics and Astronautics (AIAA) Greater New Orleans Section						
Earth and Environmental Sciences	3	Ayah	Ghanem	Kenner Discovery Health Sciences Academy	Kristin R. Oliveri	How Do Ozone Gases Affect Human Air Quality?
Engineering Mechanics (Mechanical, Civil and Trans	3	Enrico	Tapia	John Curtis Christian	Bush, Kathy	How Much Force Does it Take to Hammer a Nail into Different Types of Wood?
Physics and Astronomy	3	Jonas	Baamonde	Classical Conversations Kenner Campus	Ashley Chin	Does the Type of Wood Affect the Depth a Nail is Driven by a Single Hammer Strike?
Energy: Chemical and Physical	2	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Improving 3-D Printed Turbine Efficiency by Exploiting the "Lotus Effect" Through the Application of Silicon Nanoparticles and Varying the Wind Diverter Angle of
Physics and Astronomy	1	Hannah	Jacobs	Lake Forest Elementary Charter School	Watts, Marla	Does the shape of a coronal mass ejection affect how quickly it reaches the earth?
American Institute of Chemical Engineers - New Orleans Section						
Energy: Chemical and Physical	1	Sean	Blondell	Lake Forest Elementary Charter School	Watts, Marla	How does the blade and pitch affect the amount of energy that a wind turbine produces?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Broadcom MASTERS						
Animal Sciences	1	Benjamin	Taravella	John Curtis Christian	Bush, Kathy	What is the Conduction Velocity of an Earthworm's Neurons?
Animal Sciences	1	Katelyn	Martin	Lake Forest Elementary Charter School	Hartman, April	Is Green Really Green
Biochemistry and Cellular and Molecular Biology	1	Kennedi	Thomas	John Curtis Christian	Bush, Kathy	How Does Food Wrapping Affect the Spoilage of the Apple?
Behavioral and Social Sciences	1	Jeremiah	Lomax	Lake Forest Elementary Charter School	Watts, Marla	Does Age Affect A Person's Perception of Time?
Behavioral and Social Sciences	1	Reagan	Peters-Roussell	Lake Forest Elementary Charter School	Hartman, April	Hearing Sensory Threshold
Chemistry	1	Lilly	Cazabon	Atonement Lutheran School	Harney, Rachel	The Effect of Synthetic vs. Natural Materials on Preventing Stains

Category	Place	First Name	Last Name	School	Teacher	Project Title
Chemistry	1	Camryn	Wisler	John Curtis Christian	Bush, Kathy	Does the Type of Fabric Affect the Brightness of the Blue Dye?
Earth and Environmental Sciences	1	Ayah	Ghanem	Kenner Discovery Health Sciences Academy	Kristin R. Oliveri	How Do Ozone Gases Affect Human Air Quality?
Earth and Environmental Sciences	1	Keyuo	Craver	Lake Forest Elementary Charter School	Watts, Marla	Which kills mold faster: Chemical or natural cleaners?
Energy: Chemical and Physical	1	Kristian	Prevost	International School of Louisiana - Camp	Marshall, Karen	How Does Wind Speed Affect Storm Surge?
Energy: Chemical and Physical	1	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Improving 3-D Printed Turbine Efficiency by Exploiting the "Lotus Effect" Through the Application of Silicon Nanoparticles and Varying the Wind Diverter Angle of
Electrical and Computer Engineering (Robotics, Emb	1	Grayson	Barron	John Curtis Christian	Boucvalt, Cathy	Recycling For Energy
Environmental Engineering (Pollution, Recycling, W	1	Vivian	Smith	Atonement Lutheran School	Harney, Rachel	"I" or "T" Which Should it be?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Environmental Engineering (Pollution, Recycling, W	1	Mai	Burrell	Lake Forest Elementary Charter School	Hartman, April	Slurry Machine
Engineering Mechanics (Mechanical, Civil and Trans	1	Jacklyn	Leo	International School of Louisiana - Camp	Marshall, Karen	Concussion Conundrum
Engineering Mechanics (Mechanical, Civil and Trans	1	Enrico	Tapia	John Curtis Christian	Bush, Kathy	How Much Force Does it Take to Hammer a Nail into Different Types of Wood?
Mathematics and Computers and	1	Aidan	Couvillon	Christian Brothers	Constant, Thomas	Soccer Physics
Medicine & Health and Microbiology (including	1	Liyah	Ernest	Lake Forest Elementary Charter School	Hartman, April	Can herbs reduce bacteria growth?
Physics and Astronomy	1	Jonas	Baamonde	Classical Conversations Kenner Campus	Ashley Chin	Does the Type of Wood Affect the Depth a Nail is Driven by a Single Hammer Strike?
Physics and Astronomy	1	Hannah	Jacobs	Lake Forest Elementary Charter School	Watts, Marla	Does the shape of a coronal mass ejection affect how quickly it reaches the earth?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Plant Sciences	1	Michael	Sam-Pang	John Curtis Christian	Boucvalt, Cathy	Can "Stimulation" Help a Nation Feed the Population?
Plant Sciences	1	Lauren	Ejiaga	Lake Forest Elementary Charter School	Watts, Marla	Saltwater Intrusion: How does it affect our Ecosystem?
Electric Girls						
Engineering Mechanics (Mechanical, Civil and Trans	1	Joy	Young	Lake Forest Elementary Charter School	Hartman, April	Solar Cars to the Rescue
GENIUS (Global Environmental Issues) Olympiad						
Environmental Engineering (Pollution, Recycling, W	1	Mai	Burrell	Lake Forest Elementary Charter School	Hartman, April	Slurry Machine

Category	Place	First Name	Last Name	School	Teacher	Project Title
Mad Science of Southeast Louisiana						
Chemistry	2	Grant	Whitaker	John Curtis Christian	Bush, Kathy	Do Electrolytes Really Matter?
Physics and Astronomy	2	John	Rhodes	Benjamin Franklin Elementary	DARLEEN RIVERS	THE VIBRATION OF MUSIC
Earth and Environmental Sciences	1	Allison	Harmon	Atonement Lutheran School	Harney, Rachel	The Effect of Barrier Shape on Flooding
MENSA - (The High IQ Society), N.O. Chapter						
Animal Sciences	2	Benjamin	Taravella	John Curtis Christian	Bush, Kathy	What is the Conduction Velocity of an Earthworm's Neurons?
Energy: Chemical and Physical	2	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Improving 3-D Printed Turbine Efficiency by Exploiting the "Lotus Effect" Through the Application of Silicon Nanoparticles and Varying the Wind Diverter Angle of
Medicine & Health and Microbiology (including	1	Sophia	Miller	John Curtis Christian	Boucvalt, Cathy	Are Dactylograms an Inherited Trait?

Category	Place	First Name	Last Name	School	Teacher	Project Title
NASA EARTH System Science Award						
Earth and Environmental Sciences	1	Morris	Carey	Benjamin Franklin Elementary	DARLEEN RIVERS	HOW DOES GLOBAL WARMING IMPACT HURRICANES?
Earth and Environmental Sciences	1	Ayah	Ghanem	Kenner Discovery Health Sciences Academy	Kristin R. Oliveri	How Do Ozone Gases Affect Human Air Quality?
National Oceanic and Atmospheric Administration (NOAA)						
Energy: Chemical and Physical	1	Kristian	Prevost	International School of Louisiana - Camp	Marshall, Karen	How Does Wind Speed Affect Storm Surge?
New Orleans Geological Society						
Earth and Environmental Sciences	3	Madison	Verbest	John Curtis Christian	Fabacher, Nicole	The Dirt on Soil. Does Soil Type Affect Building Stability During an Earthquake?
Earth and Environmental Sciences	2	Kayla	Roy	Lake Forest Elementary Charter School	Hartman, April	Sandbag Material

Category	Place	First Name	Last Name	School	Teacher	Project Title
Office of Naval Research - U.S. Navy/U.S. Marine Corps						
Biochemistry and Cellular and Molecular Biology	1	Waylon	Dixon	Benjamin Franklin Elementary	DARLEEN RIVERS	No Shell Egg
Earth and Environmental Sciences	1	Angelique	Harris	Lake Forest Elementary Charter School	Hartman, April	Filter it out
Energy: Chemical and Physical	1	Sean	Blondell	Lake Forest Elementary Charter School	Watts, Marla	How does the blade and pitch affect the amount of energy that a wind turbine produces?
Sierra Club, New Orleans Group						
Earth and Environmental Sciences	1	Keyuo	Craver	Lake Forest Elementary Charter School	Watts, Marla	Which kills mold faster: Chemical or natural cleaners?
Society of American Military Engineers (SAME)						
Environmental Engineering (Pollution, Recycling, W	2	Vivian	Smith	Atonement Lutheran School	Harney, Rachel	"I" or "T" Which Should it be?
Environmental Engineering (Pollution, Recycling, W	1	Mai	Burrell	Lake Forest Elementary Charter School	Hartman, April	Slurry Machine

Category	Place	First Name	Last Name	School	Teacher	Project Title
Structural Engineering Institute of the American Society of Civil Engineers-N.O. Branch						
Earth and Environmental Sciences	2	Madison	Verbest	John Curtis Christian	Fabacher, Nicole	The Dirt on Soil. Does Soil Type Affect Building Stability During an Earthquake?
Engineering Mechanics (Mechanical, Civil and Trans	1	Aelia	Aladwan	Islamic School of Greater New Orleans	Fatimah Babu	Structural Design/ Does the design of a building affect the support of the building?
U.S. Department of Agriculture - Agricultural Research Service						
Plant Sciences	1	Michael	Sam-Pang	John Curtis Christian	Boucvalt, Cathy	Can "Stimulation" Help a Nation Feed the Population?

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!

The student "not necessarily participating in the GNOSEF" is in the Senior Division.

Two of the GNOSEF daily prizes are awarded to Junior Division participants:

and the overall Junior Division winner is:

Daily	@Fairy_Tail_4444	Madison Verbest
Daily	@Miss_kennedi_t	Kennedi Thomas
Overall Winner	@SlimLikeLiyah	Liyah Ernest

JUNIOR DIVISION

GNOSEF TEACHER/MENTOR AWARDS

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.

The TWO recipients will each receive \$250 ... the recipients are:

	April Hartman	Lake Forest Elementary Charter School
	Marla Watts	Lake Forest Elementary Charter School

Junior Division Special Award Winners

Category	Place	First Name	Last Name	School	Teacher	Project Title
American Welding Society - New Orleans Section						
Physics and Astronomy	HM	Meredith	Galliano	John Curtis Christian	Fabacher, Nicole	How to Design a Boat Hull to Float the Most Weight?
Chemistry	1	Gregory	Tarvella II	John Curtis Christian	Fabacher, Nicole	A Metal's Resistance to Corrosion.
Core Element						
Electrical and Computer Engineering (Robotics, Emb	2	Jason	Decuir	Lake Forest Elementary Charter School	Watts, Marla	How does light affect bristelbots?
Mathematics and Computers and	1	Timothy	Englander	John Curtis Christian	Boucvalt, Cathy	Bump! Obstacle Avoiding Robot

Category	Place	First Name	Last Name	School	Teacher	Project Title
New Orleans Section of NACE International						
Chemistry	2	Gregory	Tarvella II	John Curtis Christian	Fabacher, Nicole	A Metal's Resistance to Corrosion.
Chemistry	1	Marisa	Couret	Atonement Lutheran School	Harney, Rachel	The Effect of Certain Liquids on Bones
Society of Petroleum Engineers (SPE), Inc. Delta Chapter						
Environmental Engineering (Pollution, Recycling, W	2	Vivian	Smith	Atonement Lutheran School	Harney, Rachel	"I" or "T" Which Should it be?
Energy: Chemical and Physical	1	Rachel	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Improving 3-D Printed Turbine Efficiency by Exploiting the "Lotus Effect" Through the Application of Silicon Nanoparticles and Varying the Wind Diverter Angle of
Women for a Better Louisiana						
Earth and Environmental Sciences	1	Keyuo	Craver	Lake Forest Elementary Charter School	Watts, Marla	Which kills mold faster: Chemical or natural cleaners?

Albert F.W. Habeeb M.D. Award	
A \$50 award recognizing an outstanding project focused on the Health Sciences is provided by Patty Habeeb Muehleemann in honor of her father Albert F.W. Habeeb M.D., who is 103 years old this year!	
Sophia Miller	John Curtis Christian

Dorothy Van Lue Habeeb Award	
In memory of Dorothy Van Lue Habeeb, founding member of the Greater New Orleans Science Fair, Inc., a \$50 award is presented to a Junior Division student for an outstanding project focused on the study of Chemistry or the use of Chemistry as a tool in scientific inquiry or engineering design.	
Camryn Wisler	John Curtis Christian

JUNIOR DIVISION GRAND AWARD WINNERS	
Two Grand Award Winners, 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.	
Reagan Peters-Roussell	Lake Forest Elementary Charter School
Rachel Pizzolato	John Curtis Christian

Senior Division Category Winners

Place	Category	First Name	Last Name	School	Project Title
4	Animal Sciences	Trang-Anh Samantha	Nguyen	Benjamin Franklin High School	The Effect of <i>Pomacea canaliculata</i> on Water Turbidity, pH, Nitrates, and Dissolved Oxygen
4	Behavioral and Social Sciences	Hannah	Ivory	John Curtis Christian	The Beat Goes On....
4	Behavioral and Social Sciences	Logan	Barrios	Patrick F. Taylor Science & Technology Academy	To what extent can certain types of dance have a positive effect on a person's mood?
4	Biochemistry and Cellular and Molecular	Damla	Ustunsoz	Benjamin Franklin High School	Levels of Phosphate and Calcium in Plain Bulgarian, Plain Greek, and Homemade Yogurt
4	Biomedical, Health, and Translational	Darreille	Ellis	New Orleans Charter Math and Science High School	Advanced Placement or Advanced Pressure?
4	Computational Biology, Bioinformatics,	Paige	Magee	New Orleans Charter Math and Science High School	Pollution Fusion
4	Earth and Environmental Sciences	Sasha	Bourne	Benjamin Franklin High School	Effects of Saltwater on Freshwater Algae
4	Earth and Environmental Sciences	Carter	Nugent	Haynes Academy for Advanced Studies	Are toilet paper products harmful to sewer systems?

Place	Category	First Name	Last Name	School	Project Title
4	Earth and Environmental Sciences	Isabella	Pita	John Curtis Christian	How Does Nanosilver Affect Palaemonetes paludosus heart rate?
4	Embedded Systems and Robotics and	Patrick	Grindstaff	Patrick F. Taylor Science & Technology Academy	How do video game graphics affect play style?
4	Energy: Chemical	Maximillian	Fitzgerald	Benjamin Franklin High School	Eco Engine
4	Energy: Physical	Jamie	Wingerter	John Curtis Christian	The Evolution of Solar Cells.
4	Engineering Mechanics	Zachary	Fuller	Holy Cross School	Propeller efficiency: the relation of chord's length to a blade's radius
4	Engineering Mechanics	Corey	Vidrine	John Curtis Christian	Using the Hammering Force to Determine Which Wood has the Greatest Density.
4	Environmental Engineering	Brianna	Claverie	Benjamin Franklin High School	The Effect of Particle Size of Activated Carbon on Water Filtration
4	Microbiology	Kaitlin	Nguyen	Benjamin Franklin High School	The Effect of Store-Bought vs. Home-Cultured Kefir on Escherichia Coli K-12
4	Microbiology	Adrija	Bhattacharjee	Haynes Academy for Advanced Studies	Environmentally friendly disinfectant

Place	Category	First Name	Last Name	School	Project Title
4	Physics and Astronomy	Peyton	Picou	John Curtis Christian	Long Distance Shooting: How Does Bullet Grain Affect Accuracy?
4	Physics and Astronomy	Daniel	Nguyen	Thomas Jefferson Senior High	Distance traveled by payload in relation with total mass of a counterweight on a trebuchet
4	Plant Sciences	Camille	Patton	Isidore Newman High School	Can Plants Hear?
4	Plant Sciences	Maisie	Baudier	John Curtis Christian	How Does the Presence of Microbiota Affect the Flowering of Brassica rapa?

Place	Category	First Name	Last Name	School	Project Title
3	Animal Sciences	Sydney	Parfait	John Curtis Christian	Does Light Affect Ant Activity?
3	Behavioral and Social Sciences	Gianna	Romanos	Benjamin Franklin High School	How Does Shirt Color Affect the Perceived Level of Guilt?
3	Biochemistry and Cellular and Molecular	Taylor	Textor	John Curtis Christian	Do Basic Home Remedies Whiten Teeth Better Than Expensive Whitening Toothpaste?
3	Biomedical, Health, and Translational	Finn	Bendana	Isidore Newman High School	Is Anyone Listening?
3	Biomedical, Health, and Translational	Storey	Charbonnet	Isidore Newman High School	Is Anyone Listening?
3	Chemistry	Jolie	Matherne	John Curtis Christian	Can Ink Chromatography be Used to Identify Different Brands of Markers.
3	Computational Biology, Bioinformatics,	Stephen	Bao-Loc-Trung	Benjamin Franklin High School	Creating a Hemophilia Model by Observing the Rate of Clotting of Calcium Chloride Solutions by Adding Sodium Citrate
3	Earth and Environmental Sciences	Claire	Hudson	Patrick F. Taylor Science & Technology Academy	To what extent are new wetland restorations contaminated with nutrient pollutants?
3	Embedded Systems and Robotics and	Tomaso	DiRe	Benjamin Franklin High School	Measuring the Relationship Between Economic Status and Cellular Service

Place	Category	First Name	Last Name	School	Project Title
3	Energy: Chemical	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	Piezoelectricity: A Novel Approach to Emergency Electricity
3	Energy: Physical	Tommy	Nguyen	Thomas Jefferson Senior High	Wind Turbines and Wing Length's Effect on Voltage
3	Engineering Mechanics	Paola	Alarcon	Haynes Academy for Advanced Studies	Strongest bridge structure
3	Environmental Engineering	Emily	Kraus	Patrick F. Taylor Science & Technology Academy	To What Extent Does the Organic Composition of Soil Have on the Biodiversity of Wetland Vegetation?
3	Materials Science	Richard	Kijko	Benjamin Franklin High School	Effects of String Gauge & Playing Style on the Frequencies & Harmonics Produced by a Guitar
3	Microbiology	Lucy	Krause	Benjamin Franklin High School	The Effect of Citric and Malic Acid on Limiting Bacterial Growth in Water Bottles
3	Physics and Astronomy	Evan	Autin	Holy Cross School	What objects best reduce the overtones in drums?
3	Physics and Astronomy	Robert	Schexnayder	Holy Cross School	What objects best reduce the amount of overtone in drums?
3	Plant Sciences	Chenyu	Zhao	Benjamin Franklin High School	The Effect of Different Water-Dispersing Agents on the Growth of Tagetes Erecta

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2	Animal Sciences	Dominic	Scheurer	Patrick F. Taylor Science & Technology Academy	Why do Louisiana Black Bears find specific kinds of enrichment more enticing than others?
2	Behavioral and Social Sciences	Tran	Nguyen-Phuong	Patrick F. Taylor Science & Technology Academy	How does attention to task, as defined by known behavioral context, affect the power in alpha, beta, and gamma frequency domains of
2	Biochemistry and Cellular and Molecular	Hinali	Patel	Benjamin Franklin High School	The Effect of Petrolatum on Skin Hydration
2	Biomedical, Health, and Translational	Ella	Aluise	Isidore Newman High School	Video Games and Response time
2	Chemistry	Ryan	Doody	Holy Cross School	How does temperature affect the viscosity of motor oil?
2	Computational Biology, Bioinformatics,	Patrinika	Stevenson	New Orleans Charter Math and Science High School	Analysis of Screening Guidelines for Cancer
2	Earth and Environmental Sciences	Chloe	Johnson	New Orleans Charter Math and Science High School	Denitrifying Bacteria
2	Embedded Systems and Robotics and	Myles	Pick	Isidore Newman High School	Automatic Pool Skimmer
2	Embedded Systems and Robotics and	Cy	Winsberg	Isidore Newman High School	Automatic Pool Skimmer

Place	Category	First Name	Last Name	School	Project Title
2	Energy: Chemical	Blake	Ziegler	Holy Cross School	Biofuel vs. Fuel: Comparing Energy of Oils
2	Energy: Physical	Joseph	Scott	Benjamin Franklin High School	The Effect of Cyclist Position on Power Output
2	Engineering Mechanics	Tyler	Dunn	John Curtis Christian	Using Electromagnetism & 3-D technology to Launch a Projectile.
2	Environmental Engineering	James	Ramsay	Benjamin Franklin High School	The Rate of Degradation of Sugar and Corn Based Biodegradable Disposable Clamshell Containers in Home Composting Conditions
2	Materials Science	Kalila	Daveron	Benjamin Franklin High School	Which Style of Cello Mute Dampens Sound the Most?
2	Mathematics and Systems Software	Emma	Freeman	Isidore Newman High School	Sepsis Identification Simulation
2	Microbiology	Cade	Blalock	John Curtis Christian	Fresh or Processed? Cinnamon or Garlic? Which Will Inhibit Growth?
2	Physics and Astronomy	Joseph	Wagner	Benjamin Franklin High School	Effect of Rubber Thickness on the Speed of a Ping Pong Ball
2	Plant Sciences	Nina	Beriss	Benjamin Franklin High School	The Effects of Planting Basil with Tomatoes for Prevention of Hornworm Infestation

Place	Category	First Name	Last Name	School	Project Title
1	Animal Sciences	Javon	Ruffin	Isidore Newman High School	Native versus Tropical Milkweed on Monarch Caterpillar Growth
1	Behavioral and Social Sciences	Joaquin	Gomez	Benjamin Franklin High School	The Effects of Multilingualism on Working Memory
1	Biochemistry and Cellular and Molecular	Amaris	Lewis	Lusher Charter School	Evaluating the Potential of CD264 as and Effective Biomarker for Cellular Aging in Mesenchymal Stem Cells
1	Biomedical, Health, and Translational	Robert	Pizzolato	John Curtis Christian	Preventing Head Trauma by Reducing Impact Forces Experienced During Helmet to Helmet Contact in Football
1	Chemistry	Jada	Allen	Benjamin Franklin High School	The Effect Anticoagulants Have on Coagulation
1	Computational Biology, Bioinformatics,	Emily	Smither	Benjamin Franklin High School	The Role of Active L1 Loci in Cancer Progression
1	Earth and Environmental Sciences	Emma	Cho	Benjamin Franklin High School	Roadwork Correlation to Lead in New Orleans Homes
1	Embedded Systems and Robotics and	Dylon	Hill	Isidore Newman High School	Energy Solutions for High Schools
1	Embedded Systems and Robotics and	Abhishek	Jani	Isidore Newman High School	Energy Solutions for High Schools

Place	Category	First Name	Last Name	School	Project Title
1	Embedded Systems and Robotics and	Royden	Lynch	Isidore Newman High School	Energy Solutions for High Schools
1	Energy: Chemical	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Sulfur-Deplete Cultivation of C. Reinhardtii: A Novel Approach to Increasing the Cost-Efficiency of Green Hydrogen Fuel Production
1	Energy: Physical	Ashton	Austin	John Curtis Christian	The Effect of Temperature on Solar Cell Output.
1	Engineering Mechanics	Laura	Smith	Patrick F. Taylor Science & Technology Academy	How does pass thickness impact the thermal conductivity of spray polyurethane foam?
1	Environmental Engineering	Colby	Brown	Holy Cross School	From Air to Energy: Can electrical energy be harnessed from the atmosphere?
1	Materials Science	Jasmin	Elnaggar	Benjamin Franklin High School	The Effects of Different Amounts of Coal Ash in Soil and Water Mixtures on the Strength of Soil
1	Mathematics and Systems Software	Milaya	Ruffin	John Curtis Christian	Mathematics in Parent Drop Calculations.
1	Microbiology	Matthew	Perniciaro	John Curtis Christian	A Global Comparison of the Microbial-fighting Properties of Cold-pressed Honey on E. coli
1	Physics and Astronomy	Anna	Nguyen	Benjamin Franklin High School	Absorption Rate of Pads

Place	Category	First Name	Last Name	School	Project Title
1	Plant Sciences	Jewel	Williams	New Orleans Charter Math and Science High School	Consequences of the Disturbance of Circadian Rhythm

Senior Division Special Award Winners

Category	Place	First Name	Last Name	School	Teacher	Project Title
American Institute of Aeronautics and Astronautics (AIAA) Greater New Orleans Section						
Mathematics and Systems Software	HM	Christopher	Matise	John Curtis Christian	Boucvalt, Cathy	Total Eclipse: Equations Mark the Spot
Chemistry	3	Ryan	Doody	Holy Cross School	White, Phillip	How does temperature affect the viscosity of motor oil?
Environmental Engineering	3	James	Ramsay	Benjamin Franklin High School	Walters, Aaron	The Rate of Degradation of Sugar and Corn Based Biodegradable Disposable Clamshell Containers in Home Composting Conditions
Engineering Mechanics	2	Laura	Smith	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How does pass thickness impact the thermal conductivity of spray polyurethane foam?
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Sulfur-Deplete Cultivation of C. Reinhardtii: A Novel Approach to Increasing the Cost-Efficiency of Green Hydrogen Fuel Production

Category	Place	First Name	Last Name	School	Teacher	Project Title
American Institute of Chemical Engineers - New Orleans Section						
Energy: Chemical	2	Jasmine	McGowan	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Piezoelectricity: A Novel Approach to Emergency Electricity
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Sulfur-Deplete Cultivation of C. Reinhardtii: A Novel Approach to Increasing the Cost-Efficiency of Green Hydrogen Fuel Production
American Meteorological Society (AMS)						
Earth and Environmental Sciences	1	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth be Used to Demonstrate How the Upside of a Surface Fault Remains Stable Compared to the Downside of a Fault?
Environmental Engineering	1	Simon	Hussain	Benjamin Franklin High School	Clinicy, Kady	The Effects of Planting Vegetation on Reducing Flood Damage in an Environment
Environmental Engineering	1	Timothy	Baudier	John Curtis Christian	Boucvalt, Cathy	Flood Prevention Solution
Materials Science	1	Jasmin	Elnaggar	Benjamin Franklin High School	Teresa Burchette	The Effects of Different Amounts of Coal Ash in Soil and Water Mixtures on the Strength of Soil

Category	Place	First Name	Last Name	School	Teacher	Project Title
American Psychological Association						
Behavioral and Social Sciences	1	Logan	Barrios	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	To what extent can certain types of dance have a positive effect on a person's mood?
Behavioral and Social Sciences	1	Tran	Nguyen-Phuong	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How does attention to task, as defined by known behavioral context, affect the power in alpha, beta, and gamma frequency domains of human subjects?
Association for Women Geoscientists Foundation						
Earth and Environmental Sciences	1	Tanesia	Green	Edna Karr High School	Lumod, Sheila	How does the type of sediment affect the biodiversity index of restoration sites?
Earth and Environmental Sciences	1	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth be Used to Demonstrate How the Upside of a Surface Fault Remains Stable Compared to the Downside of a Fault?

Category	Place	First Name	Last Name	School	Teacher	Project Title
ASU Rob and Melani Walton Sustainability Solutions Initiatives						
Embedded Systems and Robotics and Intelligent	1	Dylon	Hill	Isidore Newman High School	Matt Jones	Energy Solutions for High Schools
Embedded Systems and Robotics and Intelligent	1	Abhishek	Jani	Isidore Newman High School	Matt Jones	Energy Solutions for High Schools
Embedded Systems and Robotics and Intelligent	1	Royden	Lynch	Isidore Newman High School	Matt Jones	Energy Solutions for High Schools
Biophysics Award (Biophysical Society)						
Physics and Astronomy	1	Anna	Nguyen	Benjamin Franklin High School	Hartman, Lisa	Absorption Rate of Pads
GENIUS (Global Environmental Issues) Olympiad						
Earth and Environmental Sciences	1	Claire	Hudson	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	To what extent are new wetland restorations contaminated with nutrient pollutants?
Environmental Engineering	1	James	Ramsay	Benjamin Franklin High School	Walters, Aaron	The Rate of Degradation of Sugar and Corn Based Biodegradable Disposable Clamshell Containers in Home Composting Conditions

Category	Place	First Name	Last Name	School	Teacher	Project Title
Intel Excellence in Computer Science						
Mathematics and Systems Software	1	Emma	Freeman	Isidore Newman High School	Matt Jones	Sepsis Identification Simulation
M. S. Benbow & Associates						
Embedded Systems and Robotics and Intelligent	2	Myles	Pick	Isidore Newman High School	Matt Jones	Automatic Pool Skimmer
Embedded Systems and Robotics and Intelligent	2	Cy	Winsberg	Isidore Newman High School	Matt Jones	Automatic Pool Skimmer
Energy: Physical	1	Ashton	Austin	John Curtis Christian	Boucvalt, Cathy	The Effect of Temperature on Solar Cell Output.
MENSA - (The High IQ Society), N.O. Chapter						
Behavioral and Social Sciences	2	Joaquin	Gomez	Benjamin Franklin High School	Teresa Burchette	The Effects of Multilingualism on Working Memory
Animal Sciences	1	Dominic	Scheurer	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Why do Louisiana Black Bears find specific kinds of enrichment more enticing than others?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Mu Alpha Theta						
Mathematics and Systems Software	1	Milaya	Ruffin	John Curtis Christian	Boucvalt, Cathy	Mathematics in Parent Drop Calculations.
National Oceanic and Atmospheric Administration (NOAA)						
Environmental Engineering	1	Emily	Kraus	Patrick F. Taylor Science & Technology Academy	Rebekah Kraus	To What Extent Does the Organic Composition of Soil Have on the Biodiversity of Wetland Vegetation?
New Orleans Geological Society						
Earth and Environmental Sciences	3	Claire	Hudson	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	To what extent are new wetland restorations contaminated with nutrient pollutants?
Earth and Environmental Sciences	2	Tanesia	Green	Edna Karr High School	Lumod, Sheila	How does the type of sediment affect the biodiversity index of restoration sites?
Earth and Environmental Sciences	1	Ashley	Seiser	John Curtis Christian	Boucvalt, Cathy	Can Google Earth be Used to Demonstrate How the Upside of a Surface Fault Remains Stable Compared to the Downside of a Fault?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Office of Naval Research - U.S. Navy/U.S. Marine Corps						
Animal Sciences	1	Dominic	Scheurer	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Why do Louisiana Black Bears find specific kinds of enrichment more enticing than others?
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Sulfur-Deplete Cultivation of C. Reinhardtii: A Novel Approach to Increasing the Cost-Efficiency of Green Hydrogen Fuel Production
Engineering Mechanics	1	Tyler	Dunn	John Curtis Christian	Boucvalt, Cathy	Using Electromagnetism & 3-D technology to Launch a Projectile.

Category	Place	First Name	Last Name	School	Teacher	Project Title
Regeneron Science Talent Search						
Animal Sciences	1	Dominic	Scheurer	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Why do Louisiana Black Bears find specific kinds of enrichment more enticing than others?
Behavioral and Social Sciences	1	Tran	Nguyen-Phuong	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How does attention to task, as defined by known behavioral context, affect the power in alpha, beta, and gamma frequency domains of human subjects?
Energy: Physical	1	Ashton	Austin	John Curtis Christian	Boucvalt, Cathy	The Effect of Temperature on Solar Cell Output.
Engineering Mechanics	1	Laura	Smith	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How does pass thickness impact the thermal conductivity of spray polyurethane foam?
Embedded Systems and Robotics and Intelligent	1	Dylon	Hill	Isidore Newman High School	Matt Jones	Energy Solutions for High Schools
Embedded Systems and Robotics and Intelligent	1	Abhishek	Jani	Isidore Newman High School	Matt Jones	Energy Solutions for High Schools

Category	Place	First Name	Last Name	School	Teacher	Project Title
Embedded Systems and Robotics and Intelligent	1	Royden	Lynch	Isidore Newman High School	Matt Jones	Energy Solutions for High Schools
Embedded Systems and Robotics and Intelligent	1	Myles	Pick	Isidore Newman High School	Matt Jones	Automatic Pool Skimmer
Embedded Systems and Robotics and Intelligent	1	Cy	Winsberg	Isidore Newman High School	Matt Jones	Automatic Pool Skimmer
Microbiology	1	Cade	Blalock	John Curtis Christian	Boucvalt, Cathy	Fresh or Processed? Cinnamon or Garlic? Which Will Inhibit Growth?
Microbiology	1	Matthew	Perniciaro	John Curtis Christian	Boucvalt, Cathy	A Global Comparison of the Microbial-fighting Properties of Cold-pressed Honey on E. coli
Plant Sciences	1	Jewel	Williams	New Orleans Charter Math and Science High School	Loftus, Sam	Consequences of the Disturbance of Circadian Rhythm

Category	Place	First Name	Last Name	School	Teacher	Project Title
Ricoh Americas Corporation						
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Sulfur-Deplete Cultivation of C. Reinhardtii: A Novel Approach to Increasing the Cost-Efficiency of Green Hydrogen Fuel Production
Environmental Engineering	1	James	Ramsay	Benjamin Franklin High School	Walters, Aaron	The Rate of Degradation of Sugar and Corn Based Biodegradable Disposable Clamshell Containers in Home Composting Conditions
Sierra Club, New Orleans Group						
Earth and Environmental Sciences	1	Emily	Alfortish	Isidore Newman High School	Matt Jones	The Effect of Raga Clams on Water Quality in Lake Pontchartrain.
Earth and Environmental Sciences	1	Claire	Hudson	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	To what extent are new wetland restorations contaminated with nutrient pollutants?
Society for In Vitro Biology						
Biochemistry and Cellular and Molecular Biology	1	Hinali	Patel	Benjamin Franklin High School	Otero, Erika	The Effect of Petrolatum on Skin Hydration
Biochemistry and Cellular and Molecular Biology	1	Amaris	Lewis	Lusher Charter School	Stephen Collins	Evaluating the Potential of CD264 as and Effective Biomarker for Cellular Aging in Mesenchymal Stem Cells

Category	Place	First Name	Last Name	School	Teacher	Project Title
Society of American Military Engineers (SAME)						
Earth and Environmental Sciences	2	Emily	Alfortish	Isidore Newman High School	Matt Jones	The Effect of Raga Clams on Water Quality in Lake Pontchartrain.
Environmental Engineering	1	Garrett	McNamara	Isidore Newman High School	Matt Jones	Evaluating Floodwall Design

Category	Place	First Name	Last Name	School	Teacher	Project Title
Stockholm Junior Water Prize						
Animal Sciences	1	Colton	Kendrick	John Curtis Christian	Boucvalt, Cathy	How Does Acid Rain Influence the heart rate of Aquatic Life?
Animal Sciences	1	Justin	Unger	John Curtis Christian	Boucvalt, Cathy	How Does Acid Rain Influence the heart rate of Aquatic Life?
Earth and Environmental Sciences	1	Kimia	Mirlohi	Edna Karr High School	Lumod, Sheila	How does the water quality index differ among a natural outfall canal, an outfall canal fed by one pumping station, and an outfall canal fed by four pumping
Earth and Environmental Sciences	1	Emily	Alfortish	Isidore Newman High School	Matt Jones	The Effect of Raga Clams on Water Quality in Lake Pontchartrain.
Earth and Environmental Sciences	1	Claire	Hudson	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	To what extent are new wetland restorations contaminated with nutrient pollutants?
Environmental Engineering	1	Emily	Kraus	Patrick F. Taylor Science & Technology Academy	Rebekah Kraus	To What Extent Does the Organic Composition of Soil Have on the Biodiversity of Wetland Vegetation?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Plant Sciences	1	Elizabeth	Wagner	Benjamin Franklin High School	Otero, Erika	The Effect of Salinity Levels on the Growth of Algae
Plant Sciences	1	Zachery	Barthel	John Curtis Christian	Boucvalt, Cathy	Will Moringa oleifera Seeds Provide Viable Greywater Filtration?
Plant Sciences	1	Brett	Dugas	John Curtis Christian	Boucvalt, Cathy	Aquascape study: Does Injected CO2 affect the Growth of Submerged Aquatic Plants?
Structural Engineering Institute of the American Society of Civil Engineers-N.O. Branch						
Materials Science	2	Jasmin	Elnaggar	Benjamin Franklin High School	Teresa Burchette	The Effects of Different Amounts of Coal Ash in Soil and Water Mixtures on the Strength of Soil
Engineering Mechanics	1	Paola	Alarcon	Haynes Academy for Advanced Studies	Prentice, David	Strongest bridge structure

Category	Place	First Name	Last Name	School	Teacher	Project Title
U.S. Air Force						
Biochemistry and Cellular and Molecular Biology	1	Amaris	Lewis	Lusher Charter School	Stephen Collins	Evaluating the Potential of CD264 as and Effective Biomarker for Cellular Aging in Mesenchymal Stem Cells
Behavioral and Social Sciences	1	Joaquin	Gomez	Benjamin Franklin High School	Teresa Burchette	The Effects of Multilingualism on Working Memory
Energy: Chemical	1	Alexander	Walker	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Sulfur-Deplete Cultivation of C. Reinhardtii: A Novel Approach to Increasing the Cost-Efficiency of Green Hydrogen Fuel Production
Plant Sciences	1	Jewel	Williams	New Orleans Charter Math and Science High School	Loftus, Sam	Consequences of the Disturbance of Circadian Rhythm
U.S. Department of Agriculture - Agricultural Research Service						
Plant Sciences	1	Nina	Beriss	Benjamin Franklin High School	Teresa Burchette	The Effects of Planting Basil with Tomatoes for Prevention of Hornworm Infestation

Category	Place	First Name	Last Name	School	Teacher	Project Title
U.S. Metric Association						
Energy: Chemical	1	Blake	Ziegler	Holy Cross School	Schilling, Katherine	Biofuel vs. Fuel: Comparing Energy of Oils
Engineering Mechanics	1	Laura	Smith	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	How does pass thickness impact the thermal conductivity of spray polyurethane foam?
Yale Science & Engineering Association, Inc.						
Biochemistry and Cellular and Molecular Biology	1	Amaris	Lewis	Lusher Charter School	Stephen Collins	Evaluating the Potential of CD264 as and Effective Biomarker for Cellular Aging in Mesenchymal Stem Cells
Engineering Mechanics	1	Tyler	Dunn	John Curtis Christian	Boucvalt, Cathy	Using Electromagnetism & 3-D technology to Launch a Projectile.

Social Media Awards

Prizes are awarded to a Social Media Contest winners in both middle and high school. A second prize 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.

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:

Daily	@___rob___	Robbie Pizzolato
Daily	@mob.dil	Dylon Hill
Not Necessarily a Participant	@B4_	
Overall Winner	@Kmirlohi	Kimia Mirlohi

Senior Division Special Award Winners

Category	Place	First Name	Last Name	School	Teacher	Project Title
American Petroleum Institute (API) Delta Chapter						
Environmental Engineering	3	Brianna	Claverie	Benjamin Franklin High School	Gussman, Grant	The Effect of Particle Size of Activated Carbon on Water Filtration
Engineering Mechanics	2	Austin	McDonnell	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	Three Green Machines
Materials Science	1	Robert	Spampneto	Holy Cross School	Katherine Schilling	How do pH levels affect the rate of corrosion of metals?
American Welding Society - New Orleans Section						
Chemistry	HM	Alli	Despaux	John Curtis Christian	Boucvalt, Cathy	Does a Liquid Soluble Salt Remover Product Reduce Steel Corrosion?
Chemistry	HM	Madalin	Fortmayer	John Curtis Christian	Boucvalt, Cathy	Does a Rise in pH Levels Affect the Corrosion in Steel?
Materials Science	1	Robert	Spampneto	Holy Cross School	Katherine Schilling	How do pH levels affect the rate of corrosion of metals?

Category	Place	First Name	Last Name	School	Teacher	Project Title
Bruce J. Heim Foundation						
Biomedical, Health, and Translational Medical Scie	1	Robert	Pizzolato	John Curtis Christian	Boucvalt, Cathy	Preventing Head Trauma by Reducing Impact Forces Experienced During Helmet to Helmet Contact in Football
New Orleans Section of NACE International						
Materials Science	2	Robert	Spampneto	Holy Cross School	Katherine Schilling	How do pH levels affect the rate of corrosion of metals?
Chemistry	1	Alli	Despaux	John Curtis Christian	Boucvalt, Cathy	Does a Liquid Soluble Salt Remover Product Reduce Steel Corrosion?
Women for a Better Louisiana						
Behavioral and Social Sciences	1	Joaquin	Gomez	Benjamin Franklin High School	Teresa Burchette	The Effects of Multilingualism on Working Memory
Earth and Environmental Sciences	1	Claire	Hudson	Patrick F. Taylor Science & Technology Academy	Amanda Godshaw	To what extent are new wetland restorations contaminated with nutrient pollutants?

ASM International Foundation Award (all-expense-paid trip!)		
In partnership with the New Orleans Section of NACE International, the American Society for Materials International Foundation will recognize the most outstanding 10th or 11th Grade High School 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 15-21, 2018. 2nd place winner is recognized and is an alternate should the first place winner not be able to attend the materials camp.		
2nd	Garrett McNamara	Isidore Newman High School
1st	Madalin Fortmayer	John Curtis Christian

PATRICK F TAYLOR SCHOOL AWARDS

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

Holy Cross School

Isidore Newman High School

John Curtis Christian

New Orleans Charter Math and Science High School
--

Patrick F. Taylor Science & Technology Academy
--

Albert F.W. Habeeb M.D. Scholarship
--

A \$1,000 college scholarship recognizes an outstanding project focused on the Health Sciences. It is provided by Patty Habeeb Muehlemann in honor of her father Albert F.W. Habeeb M.D., who is 103 years old this year! The scholarship is presented upon receipt of an acceptance letter into a college of their choice.

Robert Pizzolato

John Curtis Christian

Dorothy Van Lue Habeeb Award

A \$1,000 college scholarship recognizes an outstanding project focused on the study of Chemistry or the use of Chemistry as a tool in scientific inquiry or engineering design. It is provided by Patty Habeeb Muehlemann in memory of Dorothy Van Lue Habeeb, founding member of the Greater New Orleans Science Fair, Inc., The scholarship is presented upon receipt of an acceptance letter into a college of their choice.
--

Jada Allen

Benjamin Franklin High School

Entergy Corporation "Powering the Future" Scholarship Award		
\$1,000 scholarship to be awarded to a female, high school senior with an outstanding, promising project, upon presentation of their acceptance letter into a college or university		
	Alli Despaux	John Curtis Christian

Tulane University School of Science and Engineering - Tulane Science Scholars Program (TSSP)		
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	Tyler Dunn	John Curtis Christian
1st	Alexander Walker	Patrick F. Taylor Science & Technology Academy

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. A team project was selected, so each of the 3 members will be presented with a \$1,000 college scholarship upon presentation of an acceptance letter into a college of their choice. This year, Mr. Sanderford has also selected a runner-up, who will be presented with a \$500 college scholarship.

2nd	Emma Freeman	Isidore Newman High School
1st	Dylon Hill	Isidore Newman High School
	Abhishek Jani	
	Royden Lynch	

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. A runner-up is presented with a \$2,000 cash award.

Runner-Up	Syed Muniruzzaman	Xavier University
Winner	Amanda Godshaw	Patrick F. Taylor Science & Technology Academy

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.								
<table border="1"><tr><td>Amaris Lewis</td><td>Lusher Charter School</td></tr><tr><td>Joaquin Gomez</td><td>Benjamin Franklin High School</td></tr><tr><td>Alexander Walker</td><td>Patrick F. Taylor Science & Technology Academy</td></tr><tr><td>Jewel Williams</td><td>New Orleans Charter Math and Science High School</td></tr></table>	Amaris Lewis	Lusher Charter School	Joaquin Gomez	Benjamin Franklin High School	Alexander Walker	Patrick F. Taylor Science & Technology Academy	Jewel Williams	New Orleans Charter Math and Science High School
Amaris Lewis	Lusher Charter School							
Joaquin Gomez	Benjamin Franklin High School							
Alexander Walker	Patrick F. Taylor Science & Technology Academy							
Jewel Williams	New Orleans Charter Math and Science High School							
The 2 teachers selected by the Grand Award Judging Panel to attend ISEF are:								
<table border="1"><tr><td>Teresa Burchette</td><td>Benjamin Franklin High School</td></tr><tr><td>Amanda Godshaw</td><td>Patrick F. Taylor Science & Technology Academy</td></tr></table>	Teresa Burchette	Benjamin Franklin High School	Amanda Godshaw	Patrick F. Taylor Science & Technology Academy				
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